ORDER NO. VRD9009M162

Service Manual

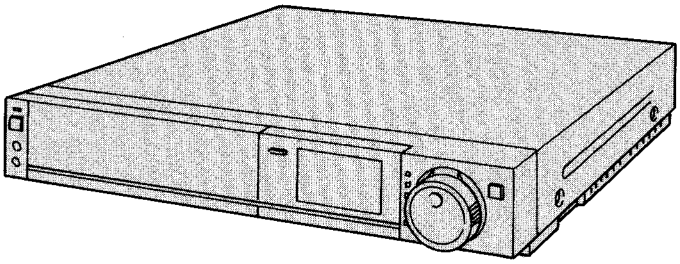
Video Cassette Recorder

Panasonic VHS PAL

Hi-Fi HQ

NV-F75 EG B EB

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List



SPECIFICATIONS

ITEM	SPECIFICATION	
POWER	SOURCE: 220V 50/60Hz	
	CONSUMPTION: 32 watts (NV-F75EG) 35 watts (NV-F75B/EB)	
RECORDING SYSTEM	2 rotary heads, helical scanning system	
	PAL	
TV TUNER SYSTEM	NV-F75EG/EB (GERMANY)	VHF I: CHE2~CHE4 VHF III: CHS4~CHE12 VHF H: CHS11~CHS20 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-F75EG/EB (ITALY)	VHF I: CHA~CHH VHF III: CHS4~CHH2 VHF H: CHS11~CHS41 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-F75EG/EB (OTHER COUNTRIES)	VHF I: CHE2~CHS3 VHF III: CHM1~CHE12 VHF H: CHU1~CHS41 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-F75B	UHF: CH21~CH69 (PAL I) 75Ω unbalanced
RF OUT SYSTEM	UHF: CH36±4 (PAL G) 70^{+2}_{-3}dBμ, 75Ω terminated (NV-F75EG/EB) UHF: 36±4 (PAL I) 73±3dBμ, 75Ω terminated (NV-F75B)	
VIDEO	HEADS: 4 rotary heads 1 pair for SP recording, playback and trick play (L-R heads) 1 pair for LP recording, playback and trick play (L′-R′ heads), 1 flying erase head	

ITEM	SPECIFICATION
VIDEO	INPUT: VIDEO IN Connector (Phono type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated
	OUTPUT: VIDEO OUT Connector (Phono type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated
AUDIO	HEAD: 1 Stationary head (Normal Audio) 2 rotary heads (Hi-Fi 2CH)
	INPUT: AUDIO IN Connector (Phono type) More than −10dBV (316mV), more than 50kΩ EURO AV COnnector (21 pin) More than −10dBV (316mV), more than 10kΩ MICROPHONE JACK −70dBV
	OUTPUT: AUDIO OUT Connector (Phono type) −8dBV (400mV), Less than 1kΩ EURO AV Connector (21 pin) −6dBV (500mV), Less than 1kΩ HEADPHONE JACK −30dBV, 8Ω
	TRACK: 1 track (Normal-mono only) 2 channels (Hi-Fi Sound-Stereo)
TAPE FORMAT	VHS Cassette tape (Tape width 12.7mm)
TAPE SPEED	SP: 23.39mm/s LP: 11.695mm/s Record/Playback Time: SP: 4 hours with 240min. type tape LP: 8 hours with 240min. type tape FF/REW Time 2.5min. with 180min. type tape
DIMENSIONS	430(W)×86(H)×383(D)mm
WEIGHT	6.0kg
STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Infra-red remote controller 2 pc. Audio Cables 1 pc. Digital Scanner 1 pc. Programme sheet 1 pc. AC Mains Lead

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.
Section 1 presents you with some general information of features and controls, enabling you to become familiar with each function.
Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.
In the case of very common information relating to other models like mechanical adjustments, please refer to each service manual.
Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...
Section 4 contains exploded views and parts list.
Please place orders using the parts list and not the drawing reference numbers.
If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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REMARKS: (NV-F75EG ONLY)

1. It is possible to receive, record and playback colour broadcasts from East Germany (DDR) on this video recorder.
2. When a video tape that was recorded with a colour TV broadcast from East Germany on this VTR is played back on a SECAM (France) or a PAL VTR, the picture may be in black and white.
3. When a video tape recorded on a SECAM (France) VTR or a SECAM (France) pre-recorded video tape is played back on this VTR, the picture is in black and white.

SERVICE INFORMATION

1-1. HOW TO CHECK THE CRACKED CHIP PART

(1) Apply heat to the soldered portions of chip part using a soldering iron for about 2–3 seconds.
(2) If the chip part is faulty,it will be broken or cracked.

Caution: Do not leave soldering iron on the PCB too long as damage may occur to the PCB or the chip parts.

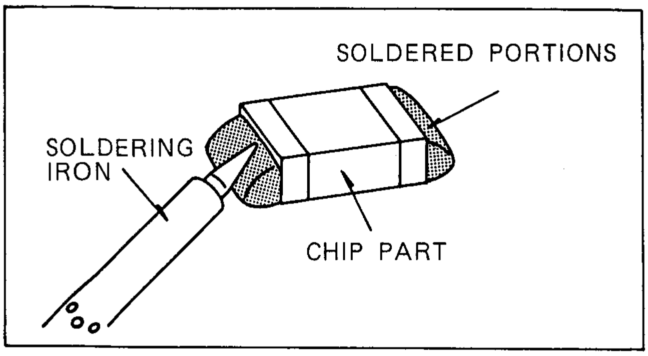

SOLDERED PORTIONS
SOLDERING IRON
CHIP PART

FIG. G1

Note: Regarding intermittent faults
The main causes of these faults are poor soldering and cracked chip parts.

1-2. HOW TO REPLACE THE CHIP PART

1) REMOVAL (RESISTOR, CAPACITOR, etc...)

(1) Presolder the one side of soldering portion for chip part and grasp the chip part by tweezers.

(2) Melt the presoldered portion. And then remove the chip part with a twisting motion while melting the soldering portion of another side quickly.

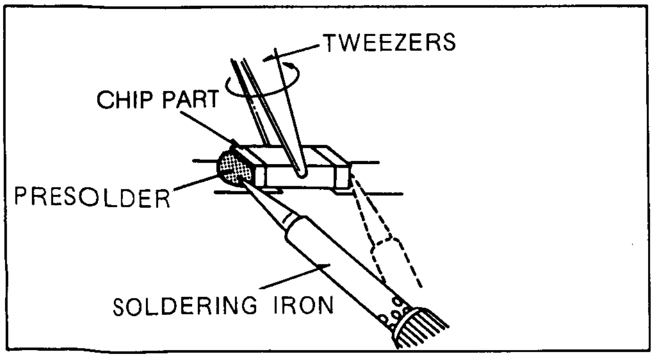

TWEEZERS
CHIP PART
PRESOLDER
SOLDERING IRON

FIG. G2

2) REMOVAL (transistor, diode, etc...)

(1) Grasp the chip part with tweezers and melt the solder of one lead.

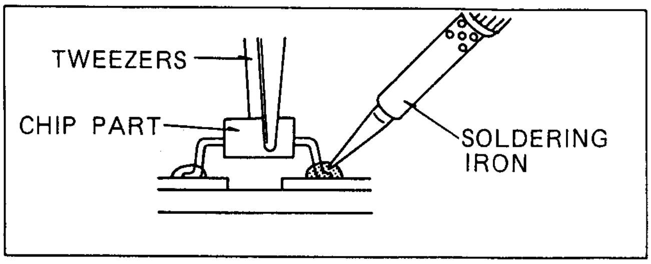

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G3

(2) Lift the side of that lead upward.

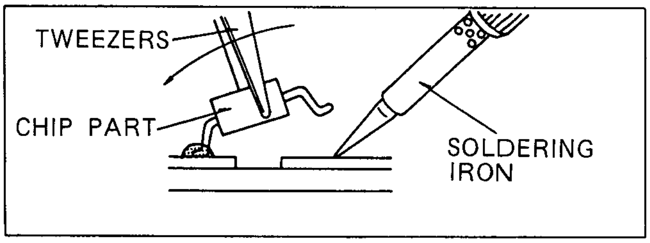

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G4

Caution: Do not lift the chip part too high as damage may occur to the PCB or the leads that are still soldered on the PCB.

(3) Simultaneously heat the solder of the two remaining leads and lift part to remove.

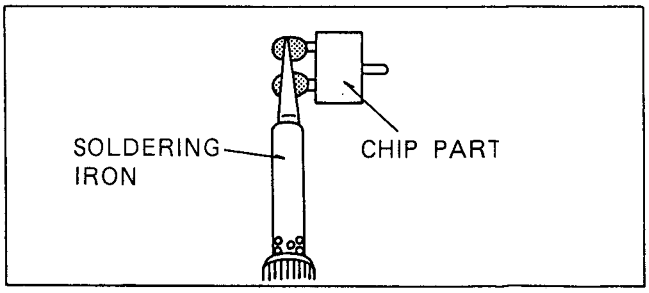

SOLDERING IRON
CHIP PART

FIG. G5

3) INSTALLATION

(1) Presolder the one side of contact point on the circuit board.

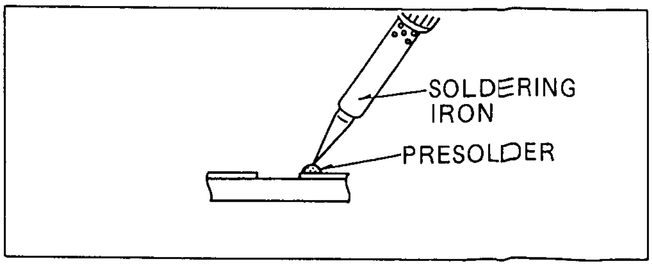

SOLDERING IRON
PRESOLDER

FIG. G6

(2) To install the chip part,hold in position using tweezers, apply heat to the pre-soldered portions using a fine tip soldering iron.
(3) Solder the other side of the chip part.
(4) Check your soldering.

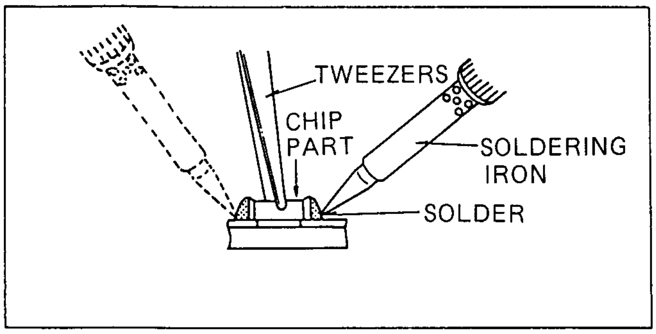

TWEEZERS
CHIP PART
SOLDERING IRON
SOLDER

FIG. G7

1-3. HOW TO REMOVE THE FLAT-IC

(WITH HOT-AIR FLAT-IC DESOLDERING MACHINE)

(FOR EXAMPLE)

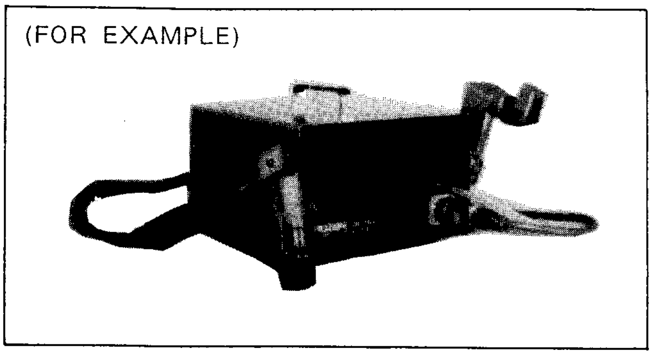


FIG. G8

(1) Prepare the HOT-AIR FLAT-IC DESOLDERING MACHINE. And then apply hot air to FLAT-IC about 5 ~ 8 seconds.

(2) Remove the FLAT-IC with tweezers while applying the hot air.

Caution: Do not supply the hot air to the chip parts around the Flat-IC for long time as as damage may occur to the chip parts around the Flat -IC.

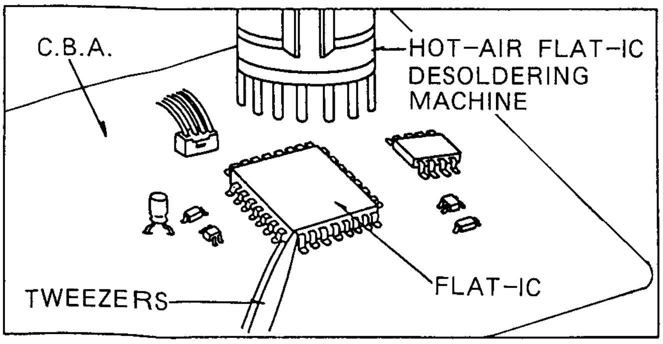

C.B.A.
HOT-AIR FLAT-IC DESOLDERING MACHINE
FLAT-IC
TWEEZERS

FIG. G9

(WITH SOLDERING IRON)

(1) Using solder braid remove the solder from all pins of the Flat-IC.
When you use the solder flux which is applied to all pins of the Flat-IC,you can remove it easily.

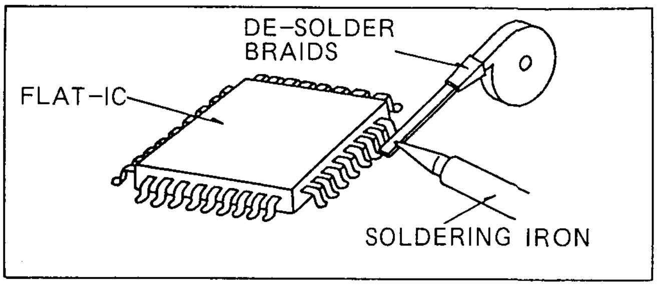

DE-SOLDER BRAIDS
FLAT-IC
SOLDERING IRON

FIG. G10

(2) Lift each lead of the Flat-IC upward one by one using a sharp pin or non solder wire(iron wire),while heating the pins using a fine tip soldering iron or a hot air blower.

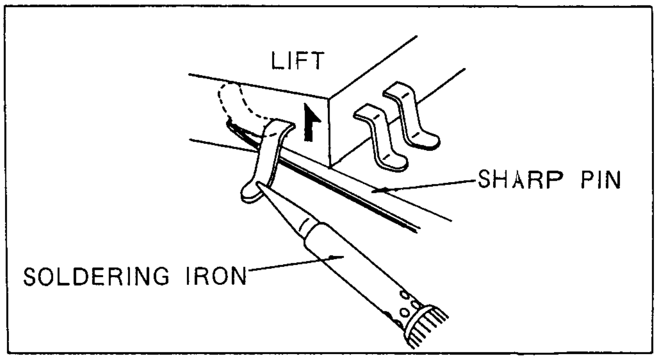

LIFT
SHARP PIN
SOLDERING IRON

FIG. G11

(WITH IRON WIRE)

(1) Affix the wire to workbench or solid mounting point as shown in FIG.G12.
(2) Pull up wire as the solder melts so as to lift the IC lead from the PCB contact pad,while heating the pins using a fine tip soldering iron or hot air blower.

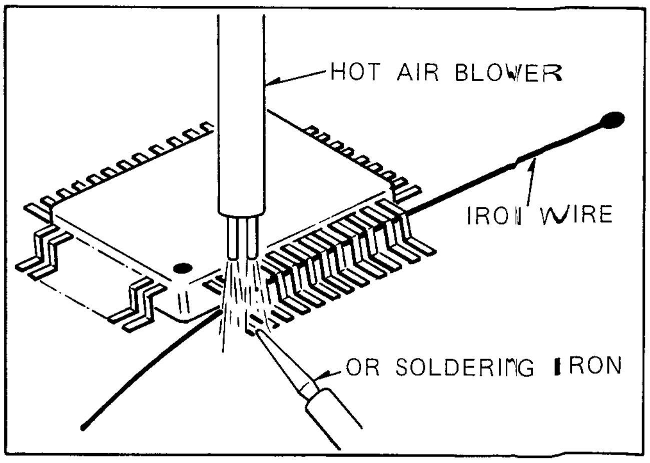

HOT AIR BLOWER
IRON WIRE
OR SOLDERING IRON

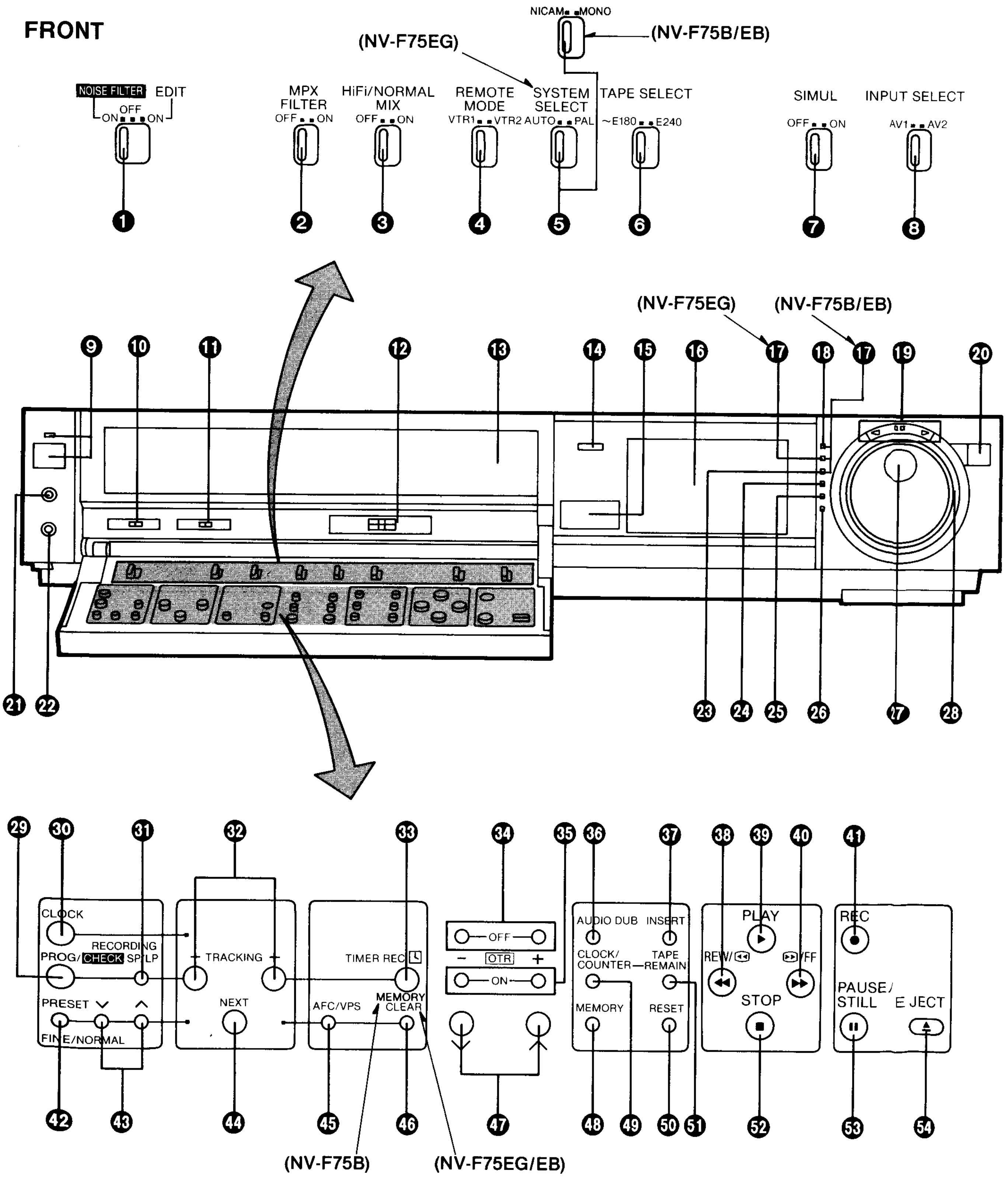
FIG.G12

Note: When using a soldering iron care must be taken to ensure that the Flat IC is not being held by glue before it is the PCB may be damaged if force is used.

SECTION 1
GENERAL DESCRIPTIONS

1-1. CONTROLS AND COMPONENTS

FRONT


NICAM MONO
(NV-F75B/EB)
(NV-F75EG)
NOISE FILTER
EDIT
OFF
ON ON
MPX FILTER
OFF ON
HiFi/NORMAL MIX
OFF ON
REMOTE MODE
VTR1 VTR2
SYSTEM SELECT
AUTO PAL
TAPE SELECT
~E180 E240
SIMUL
OFF ON
INPUT SELECT
AV1 AV2
1
2
3
4
5
6
7
8
(NV-F75EG)
(NV-F75B/EB)
9
10
11
12
13
14
15
16
17
18
17
19
20
21
22
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27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
CLOCK
RECORDING
PROG/CHECK SP/LP
PRESET
FINE/NORMAL
TRACKING
NEXT
TIMER REC
MEMORY CLEAR
AFC/VPS
OFF
OTR
ON
AUDIO DUB
INSERT
CLOCK/ COUNTER—REMAIN
TAPE
MEMORY
RESET
PLAY
REW/
FF
STOP
REC
PAUSE/ STILL
EJECT
42
43
44
45
46
47
48
49
50
51
52
53
54
(NV-F75B)
(NV-F75EG/EB)

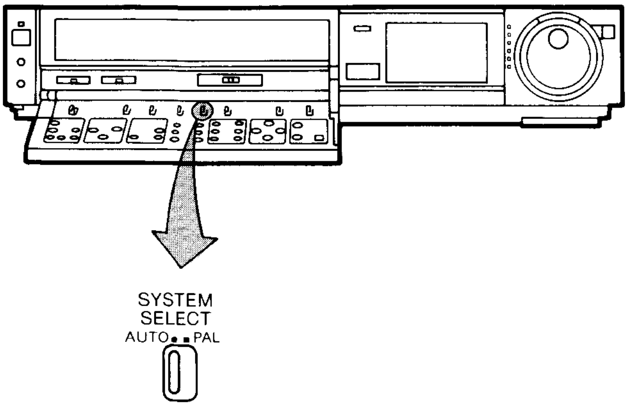
❶ Noise Filter/Edit Selector

❷ MPX Filter Switch

❸ Hi-Fi/Normal Mix Switch

❹ Remote Control Mode Select Switch

❺ System Select Switch **(NV-F75EG)**


SYSTEM
SELECT
AUTO
PAL

This switch is normally set to the AUTO position. The VTR will automatically select the correct TV system for the selected station.
The PAL position is to be used for recording and playback of programmes in the PAL system.

❺ Nicam/Mono Switch **(NV-F75B/EB)**

❻ Tape Select Switch

❼ Simulcast Switch

❽ Input Signal Selector

❾ VTR On/Off Switch with Indicator

❿ Headphones Output Level Control

⓫ Picture Sharpness Control

⓬ Hi-Fi Rec Level Controls

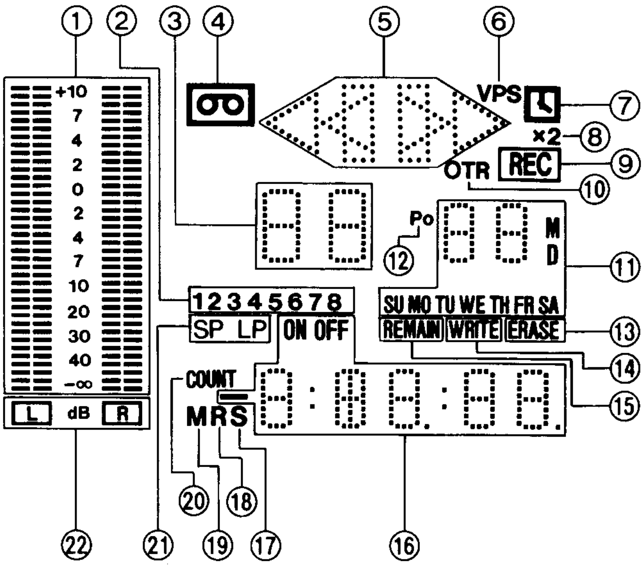
⓭ Cassette Compartment

⓮ Control Panel Open Button

⓯ Infra-red Remote Control Receiver

⓰ Multi-Function Display

Multi-Function Display


① ② ③ ④ ⑤ ⑥
+10
7
4
2
0
2
4
7
10
20
30
40
−∞
L dB R
VPS
⑦
×2
⑧
OTR
REC
⑨
⑩
Po
M
D
⑫
⑪
12345678
SU MO TU WE TH FR SA
SP LP
ON OFF
REMAIN WRITE ERASE
⑬
⑭
COUNT
MRS
⑮
⑳ ⑱
㉒ ㉑ ⑲ ⑰ ⑯

① Audio Level Meter

② Timer Programme Number

③ Channel Display

④ Cassette-in Indicator

⑤ Tape Running Display

⑥ VPS Indicator **(NV-F75EG/EB)**

⑦ Timer Recording Indicator

⑧ Double Speed Indicator

⑨ Recording Indicator

⑩ OTR Indicator

⑪ Date Display

⑫ Position Indicator

⑬ Erase Indicator

⑭ Write Indicator

⑮ Remaining Tape Time Indicator

⑯ Tape Counter Indicator

⑰ Search Indicator

⑱ Repeat Indicator

⑲ Memory Indicator

⑳ Counter Mode Indicator

㉑ Tape Speed Indicator

㉒ Audio Output Mode Indicators

⑰ Stereo Indicator **(NV-F75EG)**
Audio Recording Mode indicators **(NV-F75B/EB)**

⑱ Bilingual Indicator **(NV-F75EG)**

⑲ Jog/Shuttle Indicator

⑳ Jog/Shuttle Button

㉑ Microphone Input Socket

㉒ Headphones Socket

㉓ Simulcast Indicator **(NV-F75EG)**

㉔ Insert Editing Indicator

㉕ Audio Dubbing Indicator

㉖ Digital Tracking Indicator

㉗ Jog Dial

㉘ Shuttle Ring

㉙ Prog/Check Button

㉚ Clock Button

㉛ Tape Speed Button

㉜ Tracking Buttons

㉝ Timer Record Button

㉞ OTR Off Buttons

㉟ OTR On Buttons

㊱ Audio Dubbing Button

㊲ Insert Editing Button

㊳ Rewind ◀◀/Review ⏪ Button

㊴ Play Button (▶)

㊵ Fast Forward ▶▶/Cue ⏩ Button

㊶ Record Button (●)

㊷ Preset/Fine/Normal Button **(NV-F75EG/EB)**
Preset/Normal Button **(NV-F75B)**

㊸ Channel Selection Up and Down Buttons

㊹ Next Button

㊺ AFC/VPS Button **(NV-F75EG/EB)**

㊻ Clear Button **(NV-F75EG/EB)**
Memory Button **(NV-F75B)**

㊼ Channel Selection Up and Down Buttons

㊽ Memory Button **(NV-F75EG/EB)**
Memory/Search/Repeat Button **(NV-F75B)**

㊾ Clock Counter Selector

㊿ Reset Button

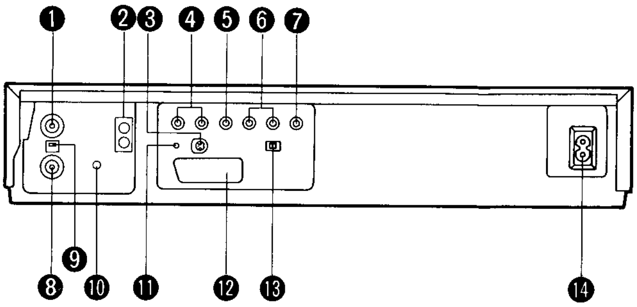
(51) Remaining Tape Time Button

(52) Stop Button (■)

(53) Pause/Still Button (❚❚)

(54) Eject Button (▲)

REAR



① RF Output Socket

② Vertical Lock Adjustor **(NV-F75B)**

③ Editing Control Socket

④ Audio Input Sockets (AV 2)

⑤ Video Input Socket (AV 2)

⑥ Audio Output Sockets

⑦ Video Output Socket

⑧ RF Input Socket

⑨ RF Signal Level Switch **(NV-F75B)**

⑩ Video Playback Channel Adjustor **(NV-F75B)**

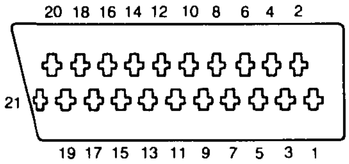
⑪ Synchro Edit Socket

⑫ Euro AV Socket (AV1)

⑬ Test Signal Switch

⑭ AC Mains Lead Socket

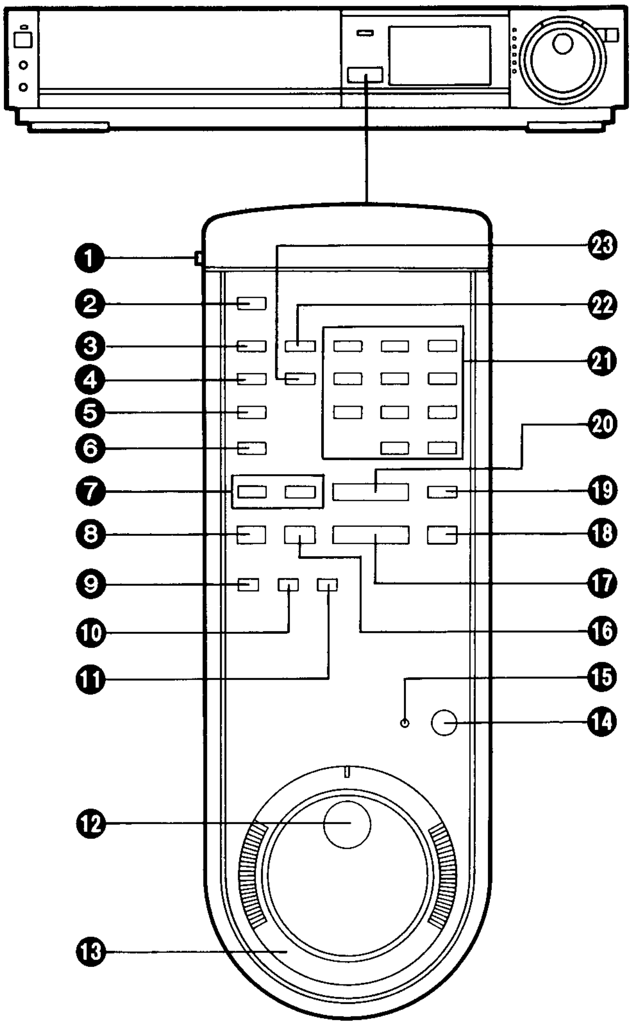
⓬ Connections of the Euro AV Socket



NOR

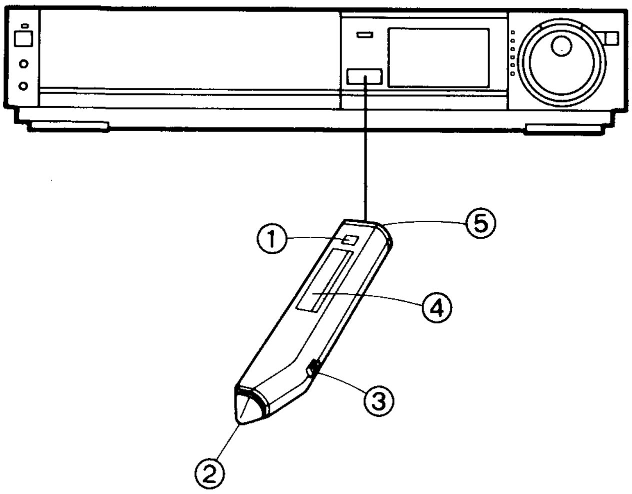
1	AUDIO OUTPUT CH2 (R)
2	AUDIO INPUT CH2 (R)
3	AUDIO OUTPUT CH1 (L)
4	AUDIO GND
5	No connection
6	AUDIO INPUT CH1 (L)
7	No connection
8	SWITCHING VOLTAGE
9	No connection
10	No connection
11	No connection
12	No connection
13	No connection
14	No connection
15	No connection
16	No connection
17	VIDEO GND
18	No connection
19	VIDEO OUTPUT
20	VIDEO INPUT
21	GND

1-2. INFRA-RED REMOTE CONTROLLER

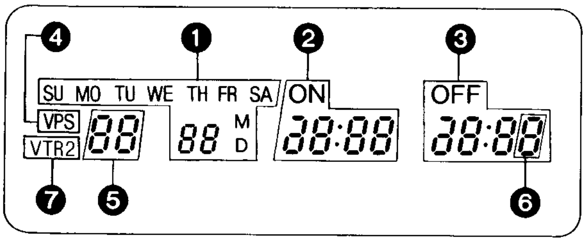


- ❶ **Remote Control Mode Select Switch**
- ❷ **VTR On/Off Button**
- ❸ **Audio Output Selector**
- ❹ **Memory/Repeat/Search Button**
- ❺ **Reset Button**
- ❻ **Time Search Button**
- ❼ **Record Buttons (●)**
- ❽ **Pause/Still Button (❙❙)**
- ❾ **Index Button**
- ❿ **Write Button**
- ⓫ **Erase Button**
- ⓬ **Jog Dial**
- ⓭ **Shuttle Ring**
- ⓮ **Jog/Shuttle On/Off Button**
- ⓯ **Jog/Shuttle Indicator**
- ⓰ **Rewind ◀◀/Review ⊲⊲ Button**
- ⓱ **Play Button (▶)**

⑱ **Fast Forward ▶▶/Cue ⊡ Button**
⑲ **Monitor Button**
⑳ **Stop Button (■)**
㉑ **Programme Position (Channel) Selector Buttons**
㉒ **Clock Counter Selector**
㉓ **Remaining Tape Time Button**



① **Transmit Button**
② **Bar Code Reading Section**
③ **Digital Scanner On/Off Switch**
④ **Bar Code Reader Display**

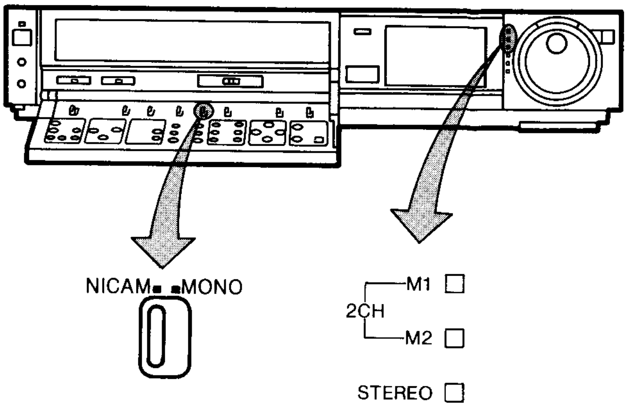


- ❶ Date Display
- ❷ Start Time Display
- ❸ End Time Display
- ❹ VPS Indicator
- ❺ Channel Display
- ❻ Check Indicator
- ❼ Remote Control Mode Indicator

⑤ **Transmitting Section**

1-3. NICAM SYSTEM (NV-F75B/EB

The NICAM system is a ground-based TV service for digital stereo sound. To receive NICAM broadcasts, the NV-F75 incorporates a NICAM decoder.
When a stereo, dual-soundtrack or monaural NICAM programme is being received, the indicators light up to inform you of the type of broadcasts. The NICAM programmes are always accompanied by standard broadcasts and you can select the desired soundtrack for recording with a single switch. NICAM soundtracks can only be recorded on the hi-fi audio track.



Important Note for NICAM System
When your television is first switched on, it will automatically receive stereo broadcasts if they are being transmitted.
When the broadcasting authorities are carrying out test transmissions, it is therefore possible that the sound received will be different from the programme being viewed.
In order to receive co-ordinated sound and vision select the mono sound using the Remote Controller "AUDIO OUT" selector or the "NICAM/MONO" switch on the VTR.
This will only apply until the stereo broadcast transmissions are fully operational.

Recording of a NICAM stereo programme

M1 ☐
2CH
M2 ☐

STEREO ☐

The STEREO Indicator is lit while a NICAM stereo programme is being received. To record such a programme, set the Nicam/Mono Switch to "NICAM".
NICAM stereo sound will be recorded on the hi-fi track and the regular (standard) sound will be recorded on the normal audio track.

Recording of a NICAM dual-sound track programme

M1 ☐
2CH
M2 ☐

STEREO ☐

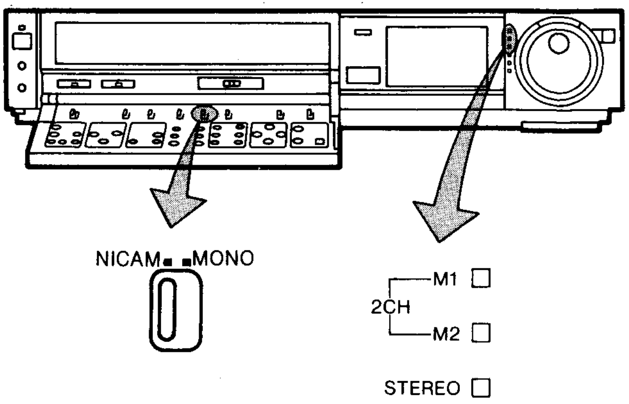
Both the M1 and M2 Indicators are lit while a NICAM dual-soundtrack programme is being received. To record such a programme, set the Nicam/Mono Switch to "NICAM".
The M1 and M2 sounds will be recorded on the hi-fi track: M1 on the left channel and M2 on the right channel.

Recording of a NICAM monaural programme

M1 ☐
2CH
M2 ☐

STEREO ☐

Only the M1 Indicator is lit while a NICAM monaural programme is being received. To record such a programme, set the Nicam/Mono Switch to "NICAM". The same monaural sound will be recorded on both channels of the hi-fi track.



Nicam/Mono Switch

- When a NICAM programme is being received, this switch can be used to select the desired type of sound to be recorded on the hi-fi audio track. To record a NICAM programme, this switch must be set to "NICAM".

Note:
If NICAM broadcast signals are weak, the sound quality deteriorates remarkably. When the signals are extremely weak, the Audio Recording Mode Indicator (M1 ○ M2 ○ STEREO ○) goes off and the FM sound is recorded on the hi-fi track irrespective of the setting of this switch.

- If the Nicam/Mono Switch is intentionally set to "MONO" even through a NICAM programme is being received, the indicator(s) remain lit.
- To record the regular sound (ordinary normal sound) on the FM audio tracks when a NICAM programme is received, set the Nicam/Mono Switch to "MONO".
- When a NICAM programme is received and the sound is distorted due to inferior reception conditions, set the Nicam/Mono Switch to "MONO".

Recording options according to the type of broadcasts and the setting of the Nicam/Mono Switch

Type of broadcast	Nicam/Mono switch position / Audio track	Normal audio track (mono)	Hi-fi audio track	
			L	R
Regular broadcast (standard audio)	Either position	Standard audio	Standard audio	Standard audio
Regular+NICAM stereo (L, R)	NICAM	Standard audio	Stereo L	Stereo R
	MONO	Standard audio	Standard audio	Standard audio
Regular+NICAM dual mono (M1, M2)	NICAM	Standard audio	M1	M2
	MONO	Standard audio	Standard audio	Standard audio
Regular+NICAM mono	NICAM	Standard audio	M1	M1
	MONO	Standard audio	Standard audio	Standard audio

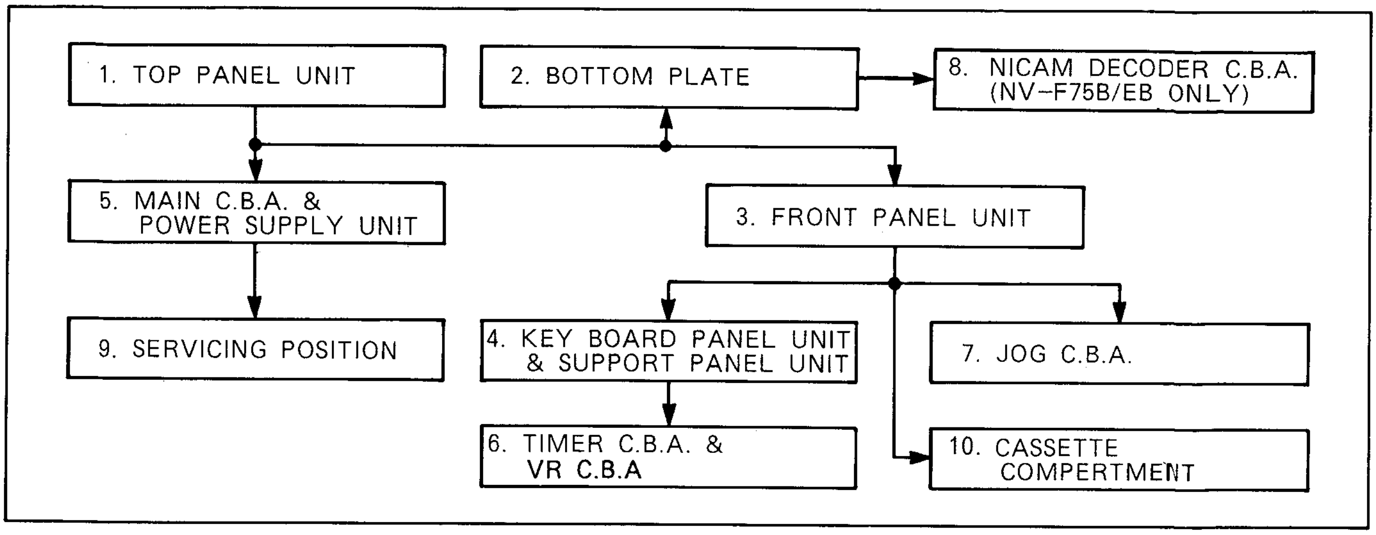
Note: NICAM audio programmes cannot be recorded on the normal audio track.

SECTION 2
ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2-1-1. DISASSEMBLY FLOW CHART

This flowchart indicates disassembly steps of the cabinet parts and the circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

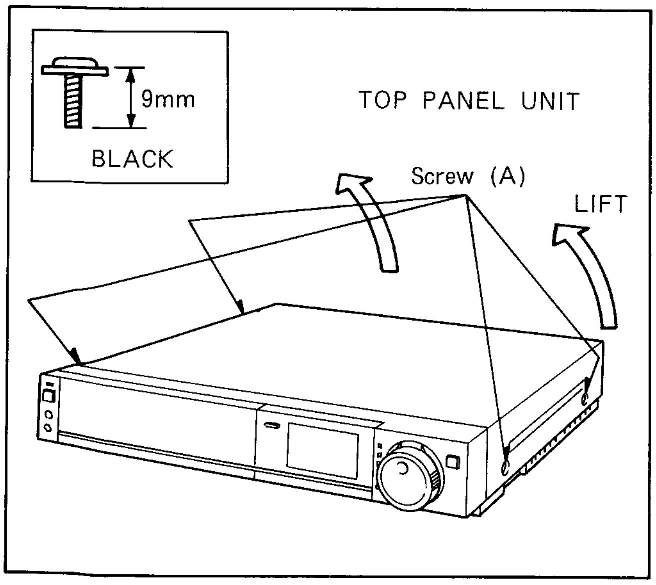


1. TOP PANEL UNIT
2. BOTTOM PLATE
8. NICAM DECODER C.B.A. (NV-F75B/EB ONLY)
5. MAIN C.B.A. & POWER SUPPLY UNIT
3. FRONT PANEL UNIT
9. SERVICING POSITION
4. KEY BOARD PANEL UNIT & SUPPORT PANEL UNIT
7. JOG C.B.A.
6. TIMER C.B.A. & VR C.B.A
10. CASSETTE COMPERTMENT

Fig. D1

2-1-2. DETAIL OF DISASSEMBLE METHOD

1. REMOVAL OF THE TOP PANEL UNIT

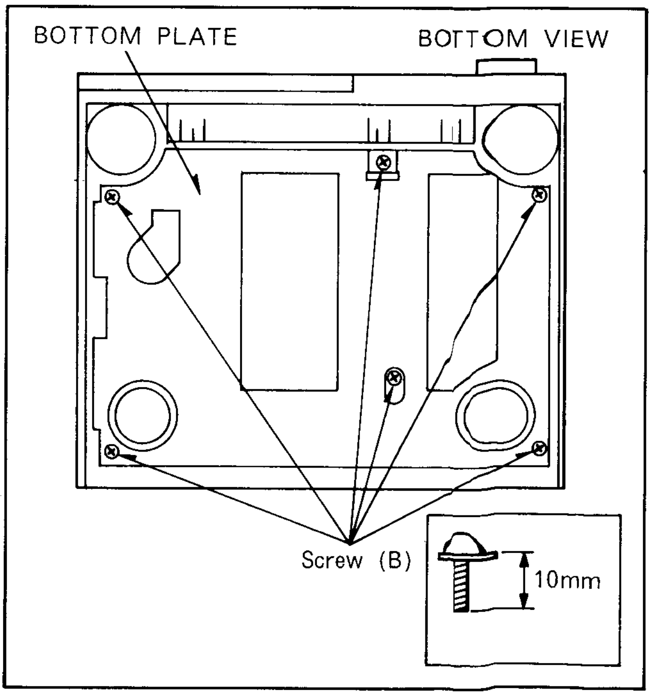


9mm
BLACK
TOP PANEL UNIT
Screw (A)
LIFT

Fig. D2

Remove...4 Screws (A)

2. REMOVAL OF THE BOTTOM PLATE



BOTTOM PLATE
BOTTOM VIEW
Screw (B)
10mm

Fig. D3

Remove...6 Screws (B)

3. REMOVAL OF THE FRONT PANEL UNIT

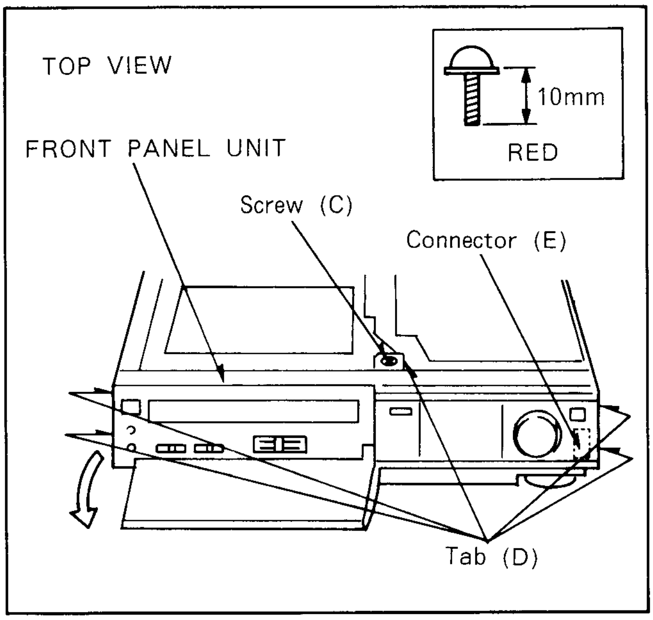

TOP VIEW
10mm
RED
FRONT PANEL UNIT
Screw (C)
Connector (E)
Tab (D)

Fig. D4

Remove...Screw (C)
Unlock...5 Tabs (D)
Disconnect...Connector (E)

4. REMOVAL OF THE KEY BOARD PANEL UNIT AND SUPPORT PANEL UNIT

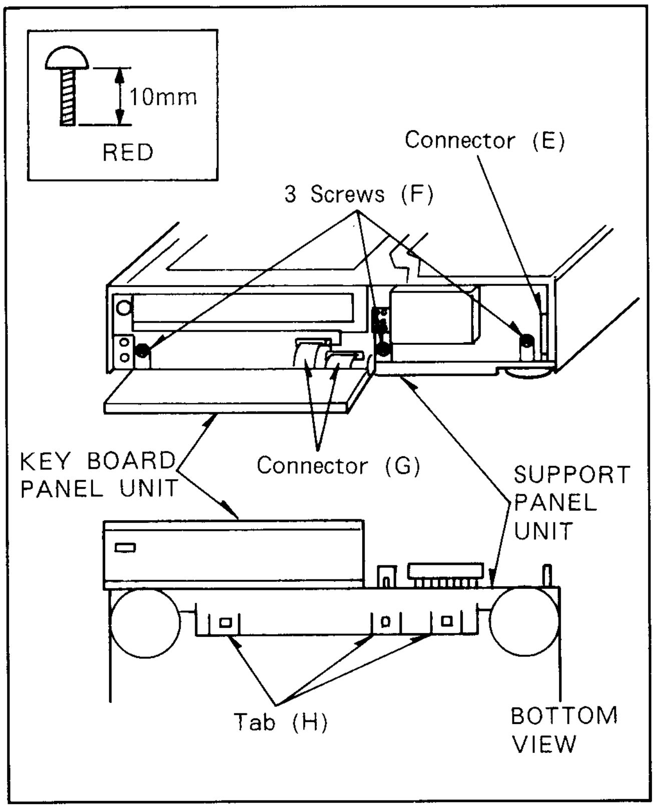

10mm
RED
Connector (E)
3 Screws (F)
KEY BOARD PANEL UNIT
Connector (G)
SUPPORT PANEL UNIT
Tab (H)
BOTTOM VIEW

Fig. D5

Remove...3 Screws (F)
Disconnect...2 Connectors (G)
Unlock...3 Tabs (H)

5. REMOVAL OF THE MAIN C.B.A. AND POWER SUPPLY UNIT

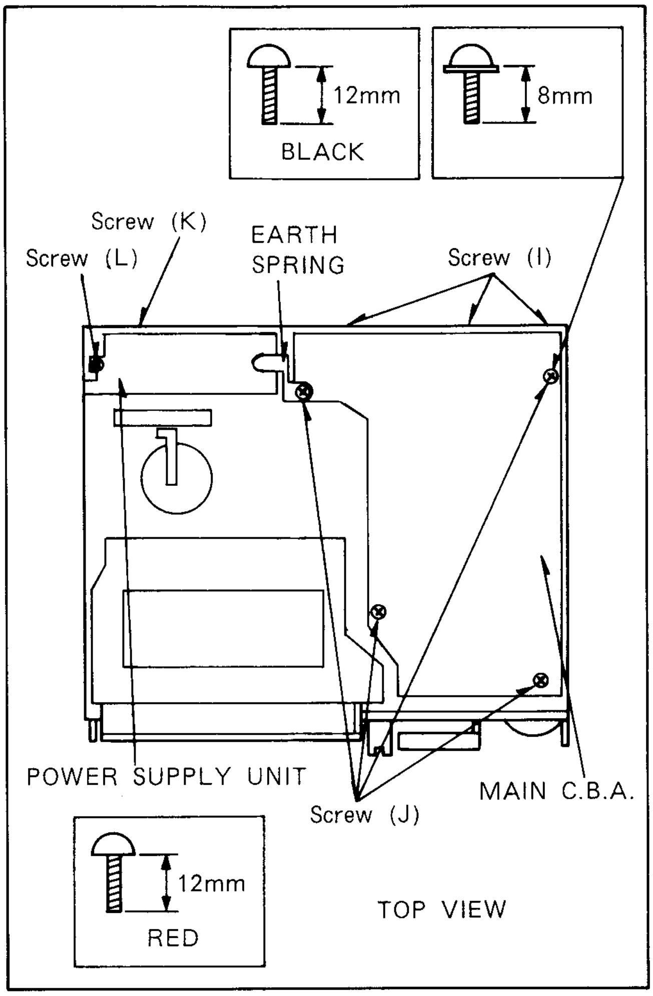

12mm
BLACK
8mm
Screw (K)
Screw (L)
EARTH SPRING
Screw (I)
POWER SUPPLY UNIT
Screw (J)
MAIN C.B.A.
12mm
RED
TOP VIEW

Fig. D6

REMOVAL OF THE MAIN C.B.A.

Remove... 3 Screws (I) and 4 Screws (J)

REMOVAL OF THE POWER SUPPLY UNIT

Remove... Screw (K) and Screw (L)

6. REMOVAL OF THE VR C.B.A. and TIMER C.B.A.

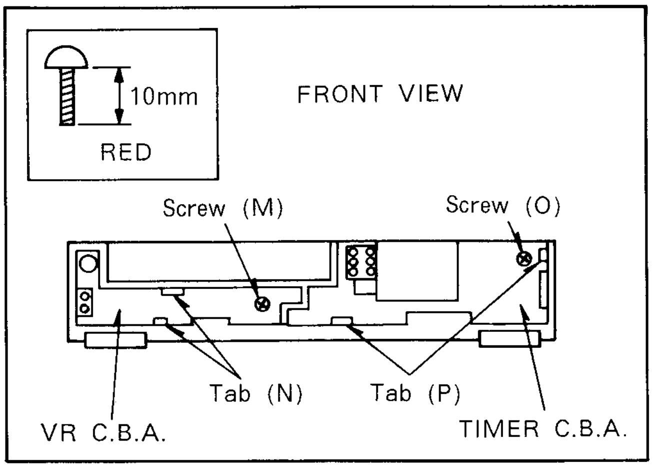

10mm
RED
FRONT VIEW
Screw (M)
Screw (O)
Tab (N)
Tab (P)
VR C.B.A.
TIMER C.B.A.

Fig. D7

REMOVAL OF THE VR C.B.A.

Remove...Screw (M)
Unlock...2 Tabs (N)

REMOVAL OF THE TIMER C.B.A.

Remove...Screw (O)
Unlock...2 Tabs (P)

7. REMOVAL OF THE JOG C.B.A.

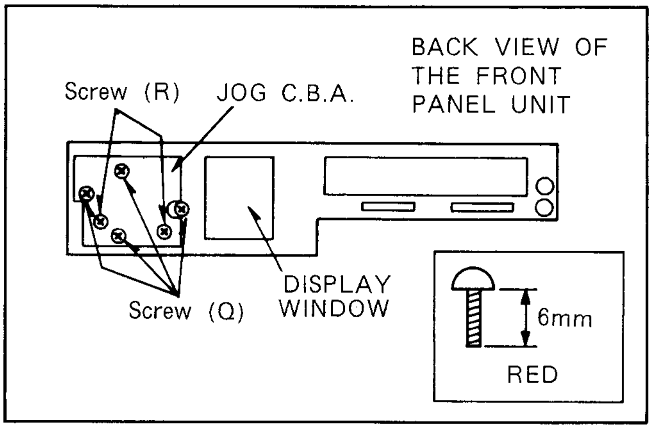

BACK VIEW OF THE FRONT PANEL UNIT
Screw (R)
JOG C.B.A.
Screw (Q)
DISPLAY WINDOW
6mm
RED

Fig. D8

Remove...4 Screws (Q)
(2 Screws (R)... For the JOG DIAL)

8. REMOVAL OF THE NICAM DECODER C.B.A. (NV-F75B/EB ONLY)

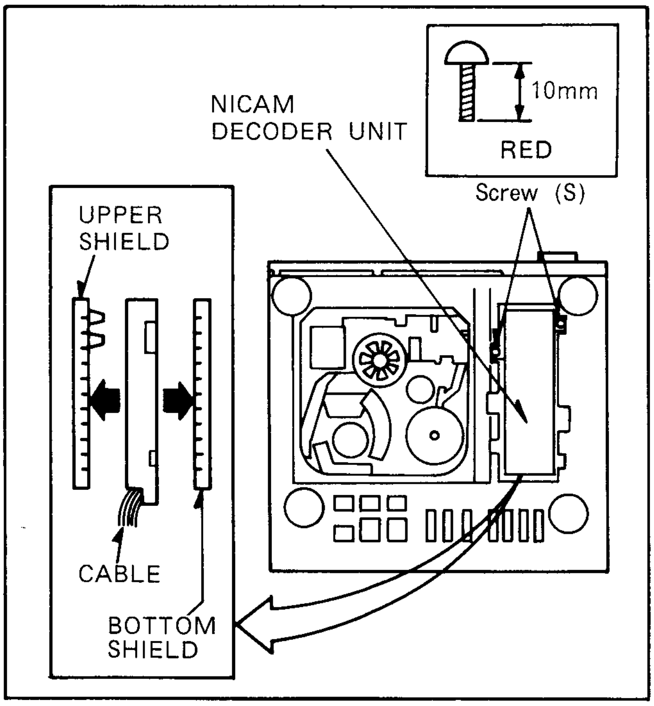

10mm
RED
NICAM DECODER UNIT
Screw (S)
UPPER SHIELD
CABLE
BOTTOM SHIELD

Fig. D9

Remove...2 Screws (S) and SHIELD

9. SERVICING

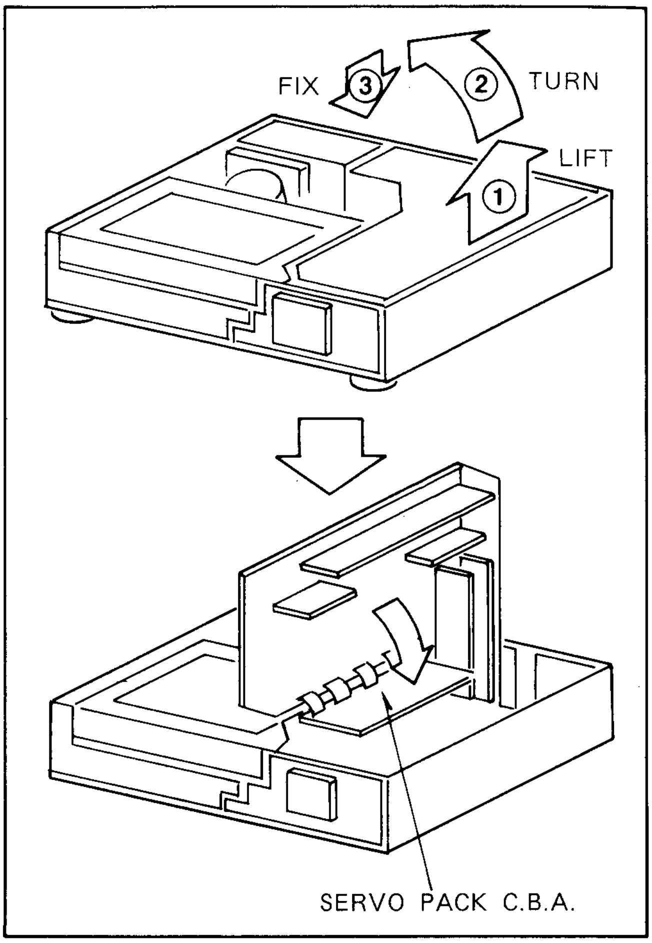

FIX ③
② TURN
LIFT ①
SERVO PACK C.B.A.

Fig. D10

. REMOVAL OF THE CASSETTE COMPERTMENT

move 2 screws (T) and slide the cassette holder til appearing 2 screws (U) by turning ockwise) the capstan rotor unit (located in the ttom side) and then remove 2 screws (U).

move the flexible wire from connector P1503 unted on Take-up photo Tr. C.B.A., then efully pull out the cassette compartment.

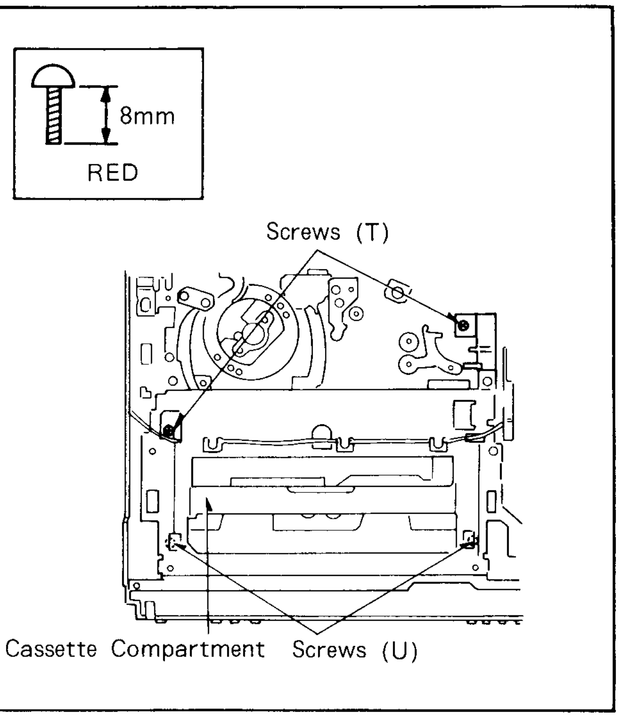

8mm
RED
Screws (T)
Cassette Compartment
Screws (U)

Fig. D11

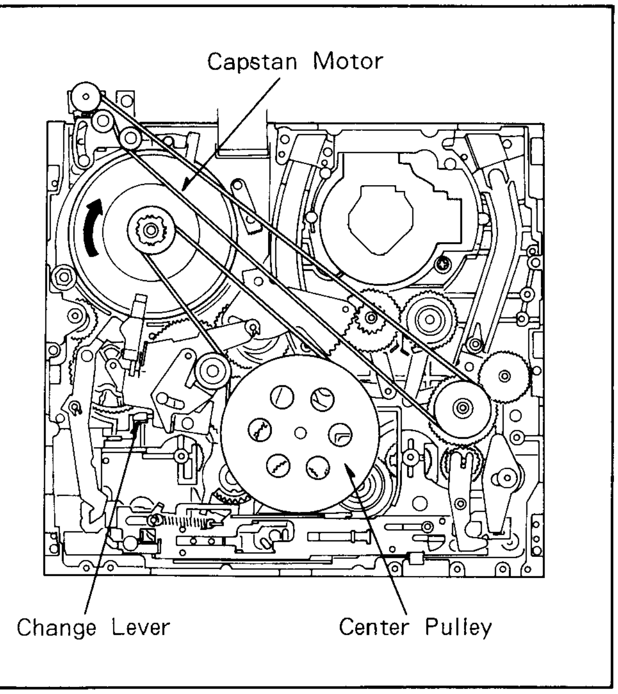

Capstan Motor
Change Lever
Center Pulley

Fig. D12

2-2. MECHANICAL ADJUSTMENT PROCEDURES

The mechanical chassis of this model is similar to the G-II Mechanical chassis.
Therefore please refer to the Service Manual "G-II/G-REV" (Order No.VRD8901M101), except the adjustment as shown below.

2-2-1. TAPE INTERCHANGEABILITY ADJUSMENT

CAUTIONS: Make a Tect Mode as shown in Fig. M1. (Connect a Cut Jumper Wire)
Then set the tracking control into the Fix position. (By pressing the tracking (+) and (-) button simultaneously)

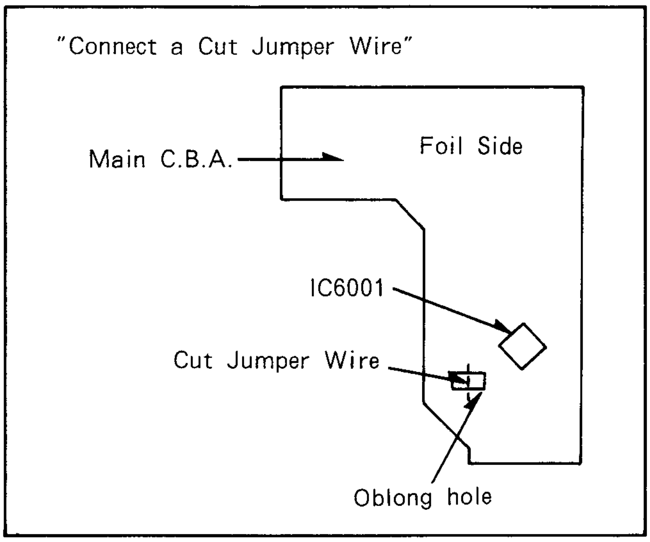
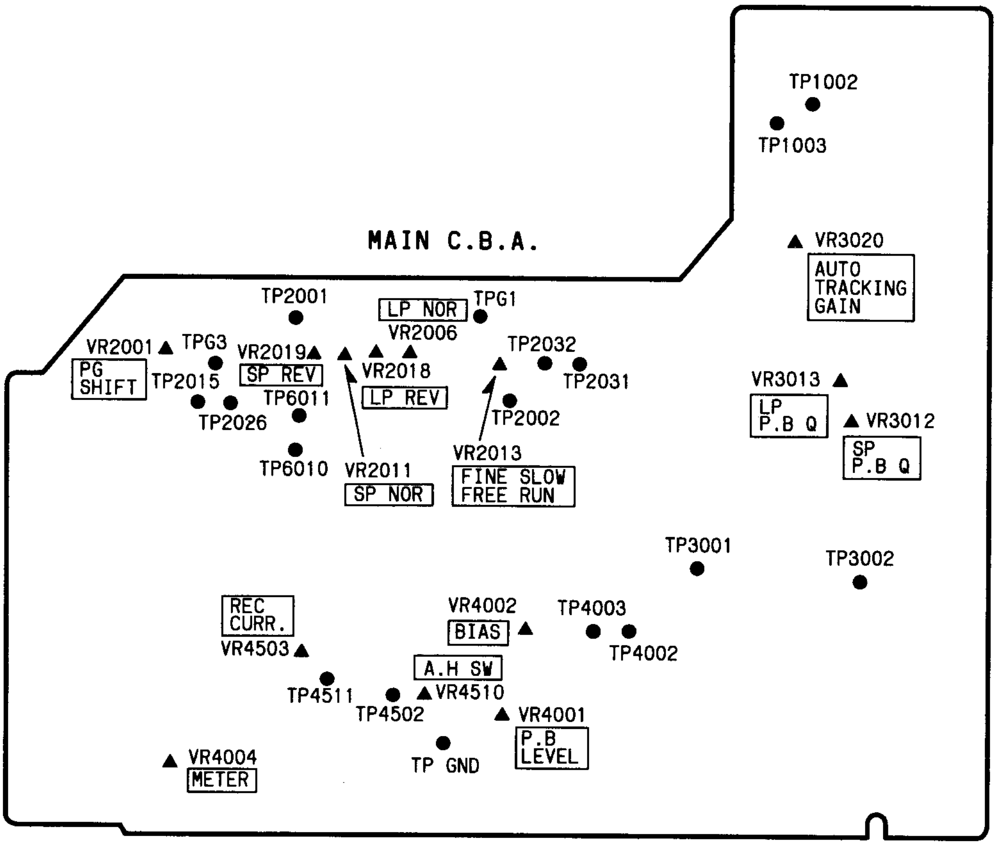
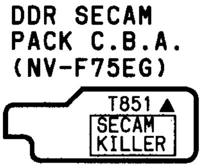

"Connect a Cut Jumper Wire"
Main C.B.A.
Foil Side
IC6001
Cut Jumper Wire
Oblong hole

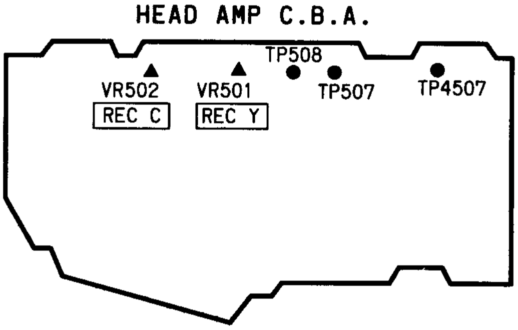
Fig. M1 Test Mode

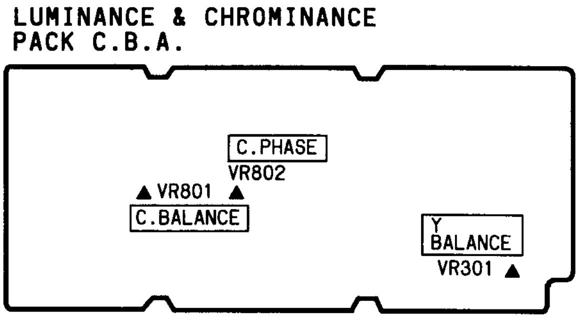
NOTE: Adjustment procedures and specifications are the same as the Service Manual "G-II/G-REV" item 2-2-9.
Please refer to the Service Manual "G-II/G-REV" (Order No.VRD8901M101).

LOCATION OF TEST POINTS & CONTROLS

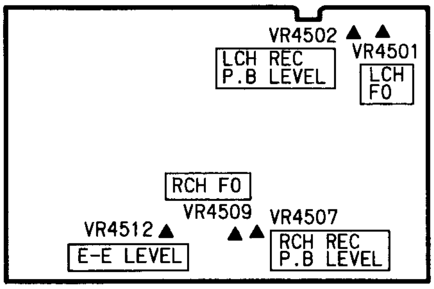

MAIN C.B.A.
TP1002
TP1003
VR3020
AUTO TRACKING GAIN
TP2001
LP NOR
TPG1
VR2006
VR2001
TPG3
VR2019
PG SHIFT
SP REV
TP2015
VR2018
TP2032
TP2031
TP6011
LP REV
TP2026
TP2002
VR3013
LP P.B Q
VR3012
SP P.B Q
TP6010
VR2011
SP NOR
VR2013
FINE SLOW FREE RUN
TP3001
TP3002
REC CURR.
VR4503
VR4002
BIAS
TP4003
TP4002
A.H SW
TP4511
TP4502
VR4510
VR4001
P.B LEVEL
VR4004
METER
TP GND


DDR SECAM PACK C.B.A. (NV-F75EG)
T851
SECAM KILLER

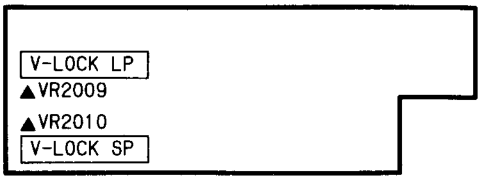

HEAD AMP C.B.A.
TP508
VR502
REC C
VR501
REC Y
TP507
TP4507


LUMINANCE & CHROMINANCE PACK C.B.A.
C.PHASE
VR802
VR801
C.BALANCE
Y BALANCE
VR301

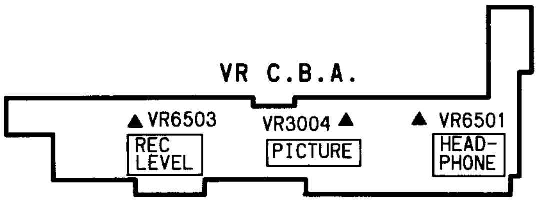
Hi-Fi AUDIO PACK C.B.A.


VR4502
VR4501
LCH REC P.B LEVEL
LCH FO
RCH FO
VR4509
VR4507
VR4512
E-E LEVEL
RCH REC P.B LEVEL

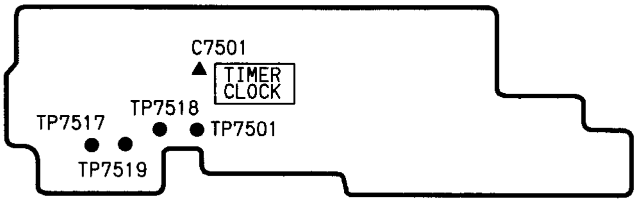
INPUT/OUTPUT PACK C.B.A.


V-LOCK LP
VR2009
VR2010
V-LOCK SP

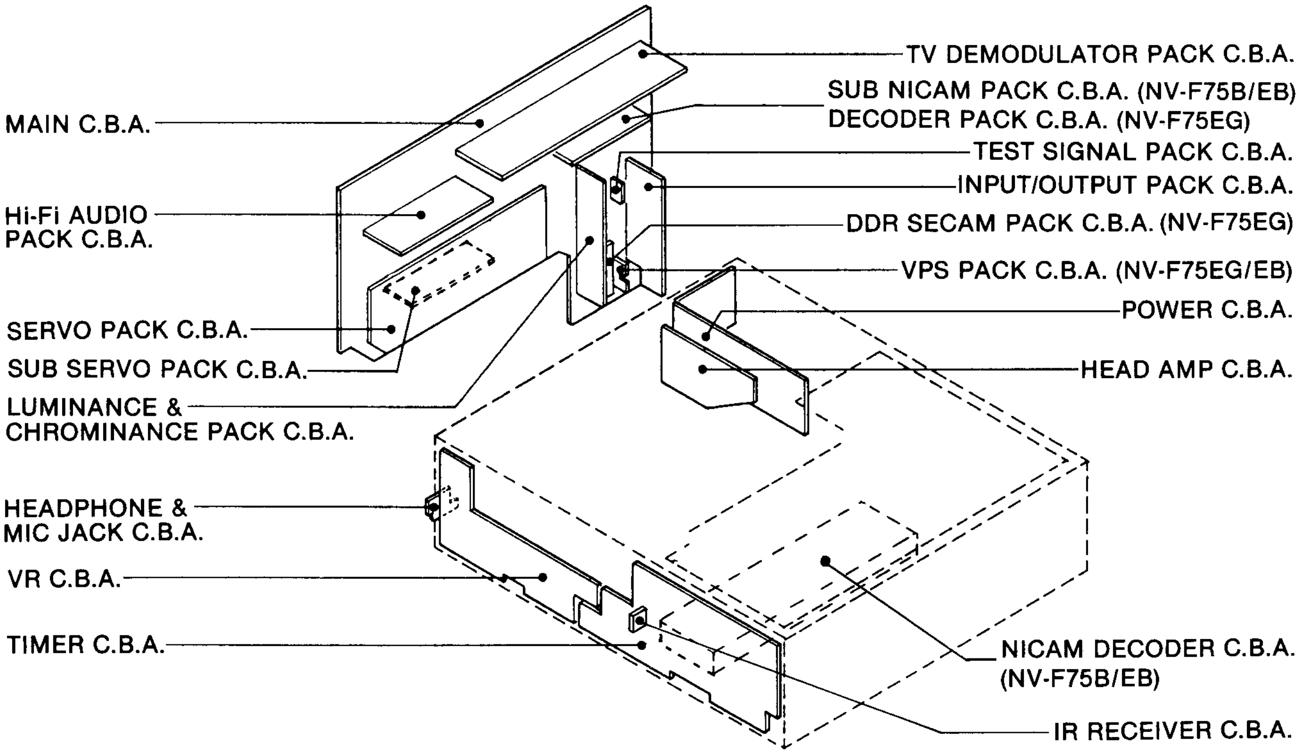
VR C.B.A.


VR6503
REC LEVEL
VR3004
PICTURE
VR6501
HEAD-PHONE

TIMER C.B.A.


C7501
TIMER CLOCK
TP7518
TP7517
TP7501
TP7519

CIRCUIT BOARD LAYOUT


TV DEMODULATOR PACK C.B.A.
SUB NICAM PACK C.B.A. (NV-F75B/EB)
DECODER PACK C.B.A. (NV-F75EG)
MAIN C.B.A.
TEST SIGNAL PACK C.B.A.
INPUT/OUTPUT PACK C.B.A.
Hi-Fi AUDIO PACK C.B.A.
DDR SECAM PACK C.B.A. (NV-F75EG)
VPS PACK C.B.A. (NV-F75EG/EB)
POWER C.B.A.
SERVO PACK C.B.A.
SUB SERVO PACK C.B.A.
HEAD AMP C.B.A.
LUMINANCE & CHROMINANCE PACK C.B.A.
HEADPHONE & MIC JACK C.B.A.
VR C.B.A.
TIMER C.B.A.
NICAM DECODER C.B.A. (NV-F75B/EB)
IR RECEIVER C.B.A.

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

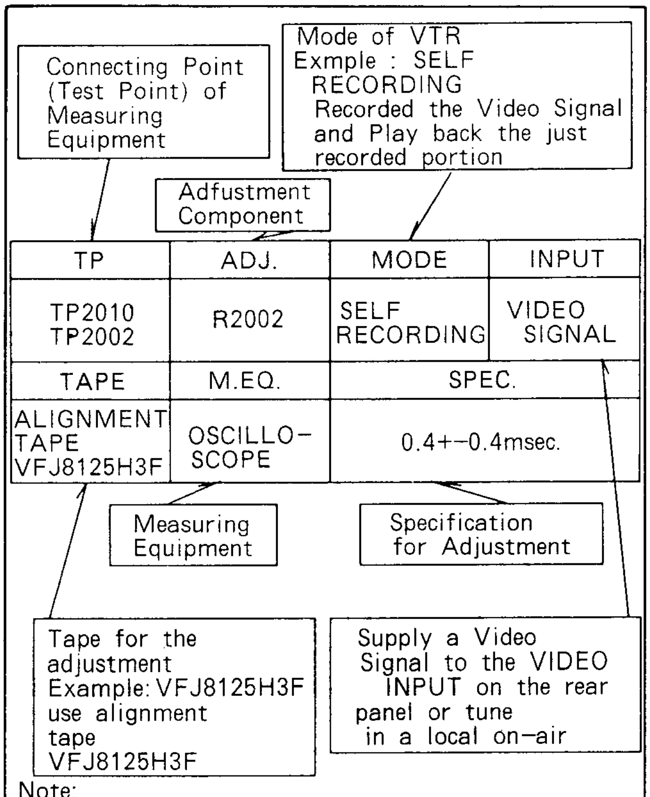
This section provides complete electrical adjustment procedures which may be required for electronic circuits of VHS Video Cassette Recorders.

2-3-1. TEST EQUIPMENTS

To perform the electrical adjustments completely, following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) and DVM (Digital Volt Meter)
   Voltage Range: 0.001~50V
2. Dual-Trace Oscilloscope
   Voltage range: 0.005~50V/div.
   Frequency Range: DC~30MHz
   Probes: 10:1
3. Frequency counter
   Frequency Range: 0~10MHz
4. Signal Generator (Sinewave)
   Frequency Range: 0~500KHz
5. Video Sweep Generator
   Frequency Range: 0~10MHz
6. Colour Monitor TV
7. Plaastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)
9. Pattern Generator
10. Universal Counter

2-3-2. HOW TO READ THE ADJUSTMENT PROCEDURES


Connecting Point (Test Point) of Measuring Equipment
Mode of VTR
Exmple : SELF RECORDING
Recorded the Video Signal and Play back the just recorded portion
Adfustment Component
Measuring Equipment
Specification for Adjustment
Tape for the adjustment
Example: VFJ8125H3F use alignment tape VFJ8125H3F
Supply a Video Signal to the VIDEO INPUT on the rear panel or tune in a local on-air

TP	ADJ.	MODE	INPUT
TP2010 TP2002	R2002	SELF RECORDING	VIDEO SIGNAL
TAPE	M.EQ.	SPEC.	
ALIGNMENT TAPE VFJ8125H3F	OSCILLO-SCOPE	0.4+-0.4msec.	

Note:
If ☒ appears in any block, this means it is not used or not important.

Fig. E1

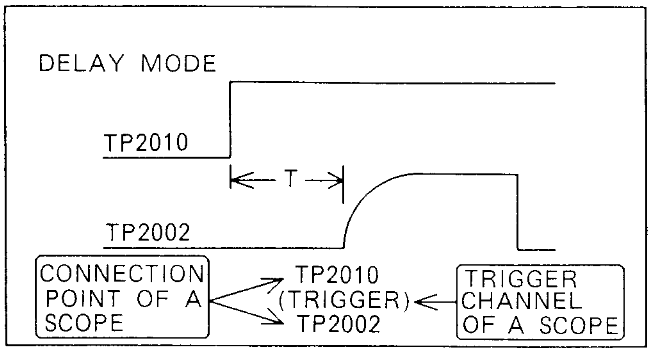

DELAY MODE
TP2010
T
TP2002
CONNECTION POINT OF A SCOPE
TP2010
(TRIGGER)
TP2002
TRIGGER CHANNEL OF A SCOPE

Fig. E2

Note:
Before the electrical adjustment, set the VTR as following conditions except for especial instructions in each adjustment item.

1. Picture Sharpness VR ... Centre FIX position
2. Tape Speed Selector ... SP position
3. Audio Rec Control VR ... Centre FIX position
4. MPX Filter Switch ... OFF position
5. Input Signal Selector ... AV2(LINE) position
6. Channel on display ... AV position
7. Edit Switch ... OFF position
8. Head Phone Level VR ... Centre position
9. HiFi/Normal MIX Switch ... OFF position
10. Remote Mode Switch ... VTR1 position
11. Simul Switch ... OFF position
12. System Select Switch ... AUTO position (NV-F75EG)
12. System Select Switch ... NICAM position (NV-F75B/EB)

SERVO Section

2-3-3. VIDEO AUTO TRACKING GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC3001-6	VR3020	STOP	4MHz 200mVp-p (TO TP3001)
TAPE	**M. EQ.**	**SPEC.**	
☒	SIGNAL GEN D.V.M.	3.0+-0.1(V)	

1. Set the output of Sinewave Signal Generator to 4MHz, 200mVp-p and supply it to pin 32 of Luminance & Chrominance Pack.
2. Connect the D.V.M. (Digital Volt Meter) to IC3001-6.
3. Adjust VR3020 so that reading of D.V.M. is 3.0+-0.1 (V).

2–3–4. SLOW FREE RUN ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP2015	VR2013	STILL	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	453+–15 (Hz)	

1. Record the Colour Bar in SP Mode and Playback the just recorded portion. Then place the unit in STILL Mode.
2. Make a test mode as shown in Fig. Test mode. Connect a cut Jumper wire.
3. Connect the jumper wire between TP2026 and GND.
4. Adjust VR2013 so that reading of the Frequency Counter is 453+–15 (Hz).

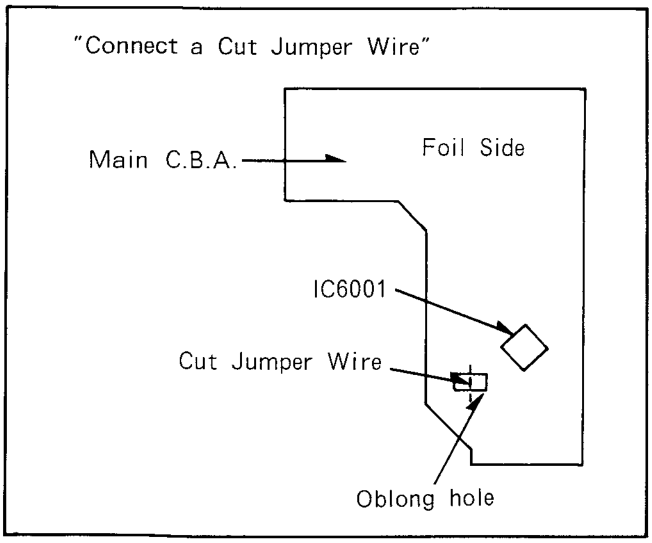


Fig. Test mode

2–3–5. PG SHIFTER ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP2001 TP3002	VR2001	PLAY BACK	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE VFJ8125H3F	OSCILLO-SCOPE	7.0+–0.5 (H)	

1. Connect the Oscilloscope to TP2001 and TP3002.
2. Playback the VHS Alignment Tape (VFJ8125H3F).
3. Adjust VR2001 so that the phase difference becomes 7.0+–0.5 (H) as shown in Fig. E3.

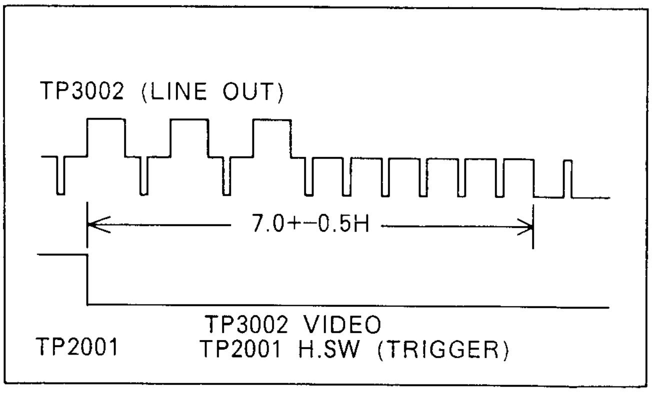


Fig. E3

2–3–6. ARTIFICIAL V–SYNC ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
MONITOR SCREEN	VR2010(SP) VR2009(LP)	STILL	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	MONITOR	NO V–DANCING	

1. Record the Video Signal in SP Mode and playback the just recorded portion. Then place the unit in STILL Mode.
2. Adjust VR2010 so that the V–Dancing does not appear on the Monitor Screen.
3. Record the Video Signal in LP Mode and playback the just recorded portion. Then place the unit in STILL Mode.
4. Adjust VR2009 so that the V–Dancing does not appear on the Monitor Screen.

2–3–7. SLOW TRACKING ADJUSTMENT

TP	**ADJ.**	**MODE**	**INPUT**
TP2002 TP2026	VR2011 (SP) VR2006 (LP)	SLOW	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	17.5+–2 (msec) (SP) 12+–2 (msec) (LP)	

Connect the Oscilloscope to TP2002 and TP2026.

1. Record the Colour Bar in SP Mode and playback the just recorded portion.
   Then place the Unit in 1/5 Speed Slow Mode by Shuttle Ring as shown in Fig. E5.
2. Adjust VR2011 so that the phase difference becomes 17.5+–2 (msec) as shown in Fig. E4.
3. Record the Colour Bar in LP Mode and playback the just recorded portion.
   Then place the Unit in 1/5 Speed Slow Mode by Shuttle Ring as shown in Fig. E5.
4. Adjust VR2006 so that the phase difference becomes 12+–2 (msec) as shown in Fig. E4.

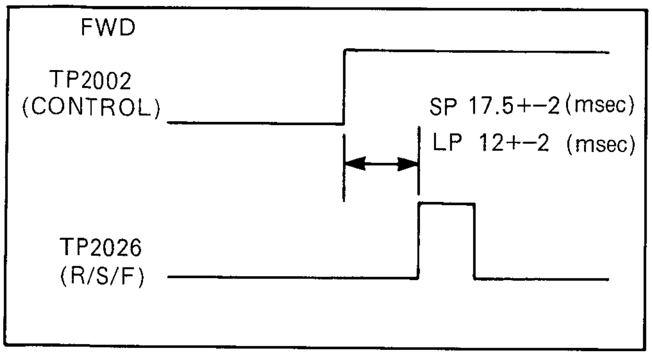
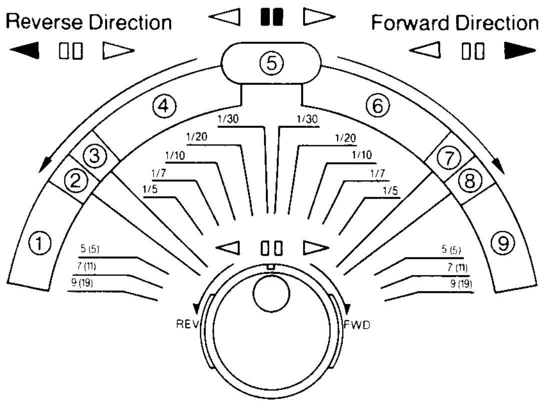

FWD
TP2002
(CONTROL)
SP 17.5+-2(msec)
LP 12+-2 (msec)
TP2026
(R/S/F)

Fig. E4


Reverse Direction
Forward Direction
⑤
④
⑥
③
②
①
⑦
⑧
⑨
1/30
1/20
1/10
1/7
1/5
5 (5)
7 (11)
9 (19)
REV
FWD

Playback Mode	Indication
① Review Playback	◁◁
② Double Speed Reverse Playback	◁ ×2
③ Reverse Playback	◁
④ Reverse Slow Motion Playback	◁▯
⑤ Still Playback	▯▯
⑥ Slow Motion Playback	▯▷
⑦ Normal Playback	▷
⑧ Double Speed Playback	▷ ×2
⑨ Cue Playback	▷▷

Shuttle Ring Setting and Corresponding Playback Speed and Direction

Fig. E5

2-3-8. REVERSE SLOW TRACKING ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2002 TP2026	VR2019 (SP) VR2018 (LP)	REVERSE SLOW	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	14+-2 (msec) (SP) 7+-2 (msec) (LP)	

Connect the Oscilloscope to TP2002 and TP2026

1. Record the Colour Bar in SP Mode and playback the just recoded portion.
   Then place the Unit in 1/5 Speed Reverse Slow Mode by Shuttle Ring as shown in Fig. E5.
2. Adjust VR2019 so that the phase difference becomes 14+-2 (msec) as shown in Fig. E6.
3. Record the Colour Bar in LP Mode and playback the just recorded portion.
   Then place the Unit in 1/5 Speed Reverse Slow Mode by Shuttle Ring as shown in Fig. E5.
4. Adjust VR2018 so that the phase difference becomes 7+-2 (msec) as shown in Fig. E6.

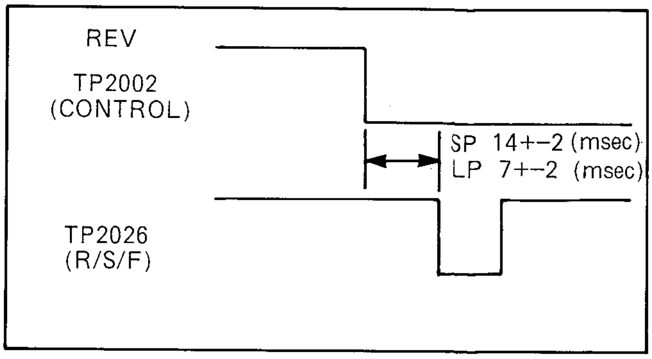

REV
TP2002
(CONTROL)
SP 14+-2 (msec)
LP 7+-2 (msec)
TP2026
(R/S/F)

Fig. E6

LUMINANCE, CHROMINANCE & HEAD AMP Section

2-3-9. Y-NR BALANCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC302-17	VR301	RECORDING (LP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	WAVE-FORM IS MINIMIZED	

1. Record the Colour Bar in LP Mode.
2. Connect the Oscilloscope to IC302-17.
3. Adjust VR301 so that waveform becomes minimur

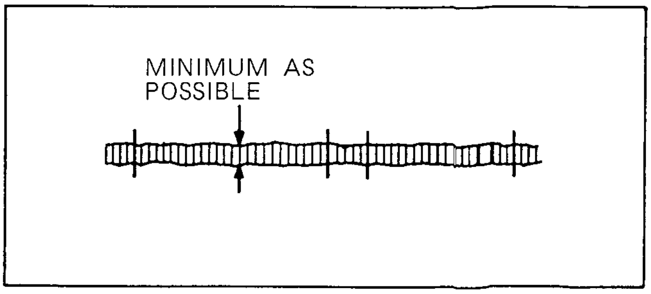

MINIMUM AS POSSIBLE

Fig. E7

2-3-10. RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR501 (Y) VR502 (C)	RECORDING (SP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	28+-2 (mVp-p) (C) 105+-5 (mVp-p) (Y)	

1. Record the Colour Bar in SP Mode.
2. Connect the Oscilloscope to TP507 (HOT) and TP508 (GND).
3. Connect a jumper wire between TP1003 and pin 6 of Luminance & Chrominance Pack.
4. Adjust VR502 so that the Chrominance recording current becomes 28+-2 (mVp-p) as shown in Fig. E8.
5. Disconnect a jumper wire.
6. Next, adjust VR501 so that Luminance recording current becomes 105+-5 (mVp-p) as shown in Fig. E9.

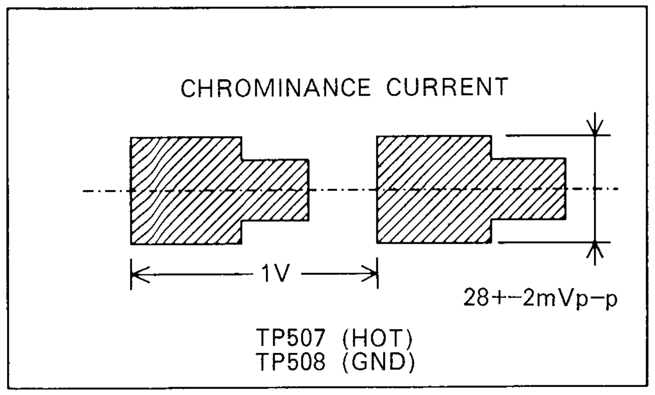


Fig. E8

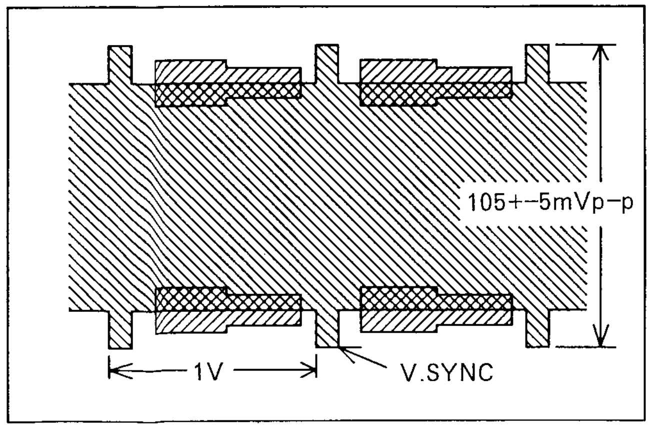


Fig. E9

2-3-11. CHROMA RECURSIVE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC302-17	VR801 VR802	SELF RECORDING AND PLAYBACK	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	AMPLITUDE IS MINIMIZED	

1. Record the Colour Bar in SP Mode and playback the just recorded portion.
2. Connect the Oscilloscope to IC302-17.
3. Adjust VR801 and VR802 alternately so that the Chrominance Waveform Amplitude becomes minimum.

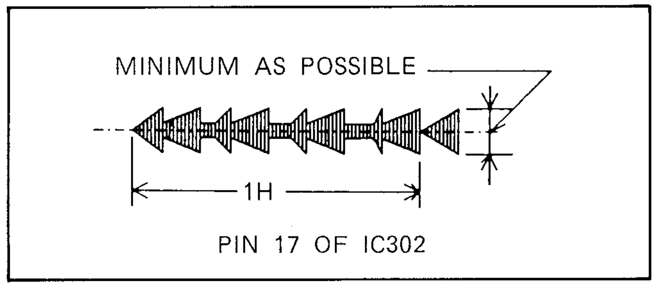


Fig. E10

2-3-12. SECAM KILLER ADJUSTMENT (NV-F75EG)

TP	ADJ.	MODE	INPUT
IC851-11	T851	RECORDING	SECAM COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	MAXIMUM AS POSSIBLE	

1. Record the SECAM Colour Bar.
2. Connect the Oscilloscope to IC851-11.
3. Adjust T851 so that portion "A" becomes maximum on the waveform.

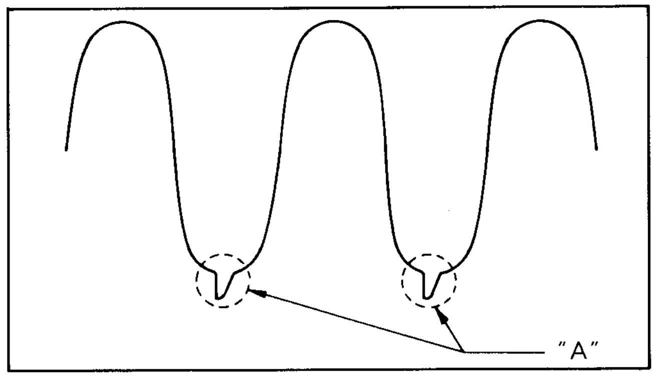
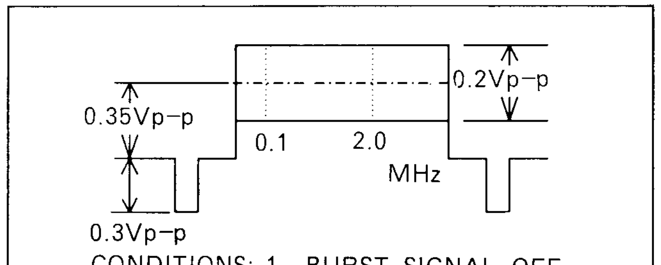


Fig. E11

2-3-13. VIDEO FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3002	VR3012 (SP) VR3013 (LP)	SELF RECORDING AND PLAYBACK	VIDEO SWEEP SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE/ VIDEO SWEEP GENERATOR	[NV-F75EG/EB] (SP/LP) B/A=0+-1 (dB) (90~110%) [NV-F75B] (SP) B/A=-1+-1 (dB) (80~100%) (LP) B/A=-2+-1 (dB) (70~90%)	

1. Set the Video Sweep Generator output as shown in Fig. E12.



CONDITIONS: 1. BURST SIGNAL OFF
2. 75ohm TERMINATED

Fig. E12

2. Record the Video Sweep Signal in SP mode.
3. Connect a jumper wire between pin 7 of Luminance & Chrominance Pack and GND.
4. Playback just recorded portion.
5. Adjust VR3012 so that the Frequency Response becomes B/A=0+-1(dB) (NV-F75EG/EB), B/A=-1+-1 (dB) (NV-F75B) as shown in Fig. E13.
6. Disconnect a jumper wire.
7. Record the Video Sweep Signal in LP Mode.
8. Connect a jumper wire betwen pin 7 of Luminance & Chrominance Pack and GND.
9. Playback just recorded portion.
10. Adjust VR3013 so that the Frequency Response becomes B/A=0+-1(dB) (NV-F75EG/EB), B/A=-2+-1 (dB) (NV-F75B) as shown in Fig. E13.
11. Disconnect a jumper wire.

[NV-F75EG/EB]
(SP/LP) B/A=0+-1dB (90~110%)
[NV-F75B]
(SP) B/A=-1+-1dB (80~100%)
(LP) B/A=-2+-1dB (70~90%)

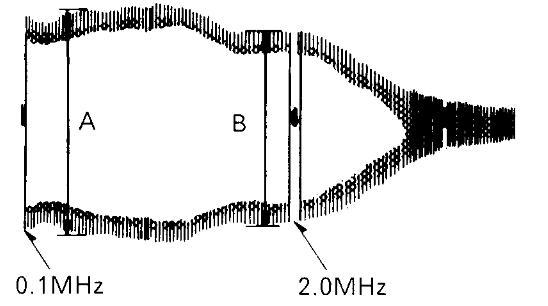


Fig. E13

NORMAL AUDIO Section

2-3-14. AUDIO BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4002 (+) TP4003 (-)	VR4002	RECORDING	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M.	2.4+-0.1 (mVrms)	

1. Connect the V.T.V.M. to TP4002 (+) and TP4003 (-). (Do not use long cable for Connection)
2. Make a short circuit at terminal of the Audio input.
3. Place the Unit in Recording Mode.
4. Adjust VR4002 so that reading of V.T.V.M. becomes 2.4+-0.1 (mVrms).

2-3-15. AUDIO PLAYBACK LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR4001	SELF RECORDING AND PLAYBACK	1KHz,-10dBV (316mVrms)/ COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GEN./ V.T.V.M.	E-E LEVEL+-0.5 (dB) (E-E LEVEL+-20mVrms)	

Note:
Befor this adjustment Tape Interchangeability Adjustment must be completed.

1. Set the Signal Generator to 1KHz, -10dBV (316mVrms) and record the Colour Bar With 1KHz, -10dBV (316mVrms) Audio Signal in SP Mode.
2. Memorize the Audio E-E Level while recording Audio Signal 1KHz, -10dBV (316mVrms).
3. Playback just recorded portion.
4. Adjust VR4001 so that the Playback Level becomes E-E Level+-0.5(dB).

Hi-Fi AUDIO Section

2-3-16. AUDIO E-E LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
LINE OUT	VR4512		1KHz,−10dB AUDIO SIG
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GENERATOR/ V.T.V.M.	−8+−0.5dB (380∼420mVrms)	

1. Set the Audio Playback Mode Selector to STEREO position by Remote Controller. (Both the Left and Right indicators are lit.)
2. Adjust VR4512 so that the audio level becomes −8+−0.5dB(380∼420mVrms).

2-3-17. HiFi AUDIO HEAD SWITCHING SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4511 TP2001	VR4510	PLAYBACK	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE VFJ8125H3F	OSCILLOSCOPE	$T=\frac{T2-(T2-T1)}{2}$ (msec)	

1. Playback the VHS Alignment Tape (VFJ8125H3F).
2. Connect the Oscilloscope to TP4511 and TP2001.
3. Adjust VR4510 while listening to the stereo playback sound.
   (1) Confirm the "T2" time when the abnormal sound just occurs during turning clockwise on VR4510.
   (2) Confirm the "T1" time when the abnormal sound just occurs during turning counter clockwise on VR4510.
   (3) Adjust VR4510 so that the falling edge "T" of Audio H.SW. pulse becomes the center portion of the both "T2" and "T1".

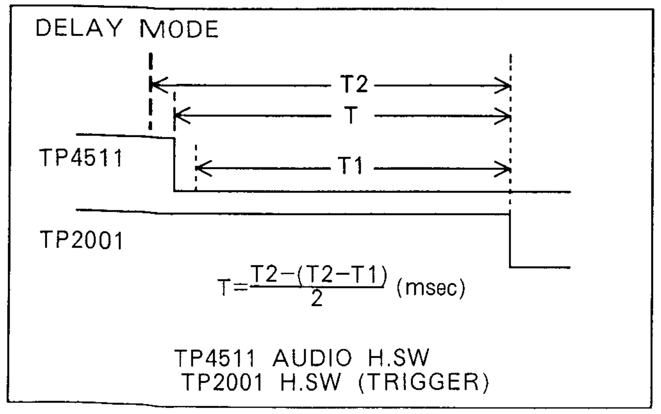


Fig. E14

2-3-18. LEVEL METER SENSITIVITY ADJUSTMENT

TP	ADJ.	MODE	INPUT
LEVEL METER	VR4004	STOP	1KHz,−10dBV (316mVrms)
TAPE	**M. EQ.**	**SPEC.**	
	SIGNAL GEN./ V.T.V.M.	0dB INDICATOR JUST LIGHTS UP	

1. Set the Audio Playback Mode Selector to STEREO position by Remote Controller. (Both the Left and Right indicators are lit.)
2. Set the output Signal Generator to 1KHz, −10dBV (316mVrms) and supply it to both Audio Input Jacks (L) and (R).
3. Adjust VR4004 so that the 0dB of Level Meter just lights up.

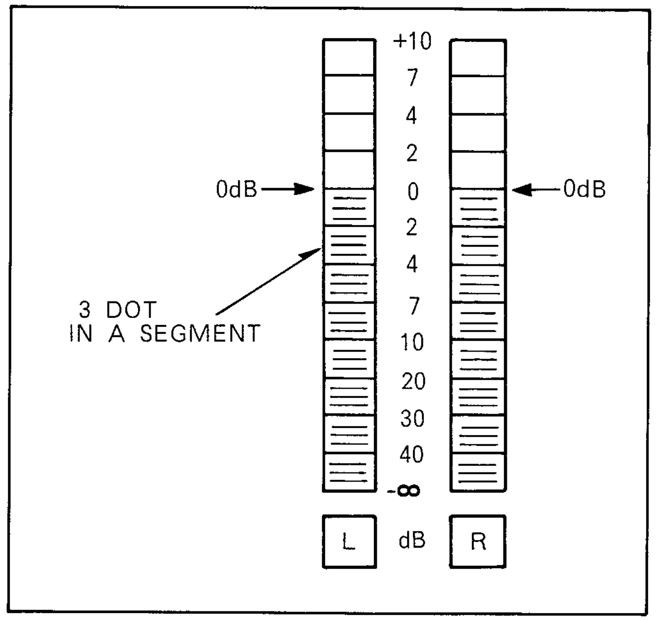


Fig. E15

2-3-19. HiFi AUDIO RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4507	VR4503	RECORDING	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLOSCOPE	480+−10 (mVp-p)	

1. Connect the Oscilloscope to TP4507.
2. Place the Unit in recording with SP Mode.
3. Adjust VR4503 so that the recording current becomes 480+−10 (mVp-p).

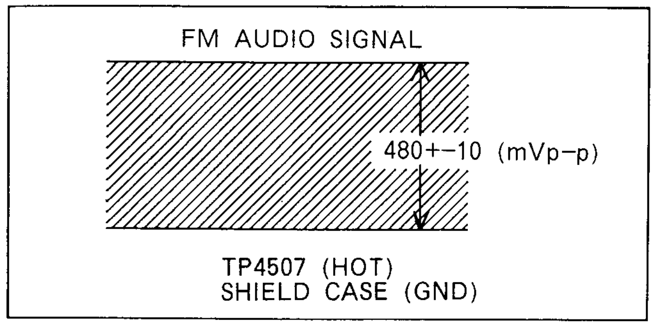


Fig. E16

2-3-20. AUDIO DEVIATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
BETWEEN VR4502 AND R4561 (L) BETWEEN VR4507 AND R4511 (R)	VR4502 (L) VR4507 (R)	SELF RECORDING AND PLAYBACK	1KHz,−10dBV (316mVrms) AUDIO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M./ SINEWAVE SIGNAL GEN	360mVrms	

1. Set the output of the Signal Generator to 1KHz,−10dBV and supply it to both Audio Input Jacks (L) and (R).
   Next, adjust the recording with the Audio Recording Level Control VR so that the audio outputs are 400mVrms at both Audio Output Jacks (L) and (R).
2. Adjust VR4502 to 360mVrms at between VR4502 and R4511 on HiFi AUDIO C.B.A. for L-Channel.
3. Adjust VR4507 to 360mVrms at between VR4507 and R4561 on HiFi AUDIO C.B.A. for R-Channel.

2-3-21. AUDIO CARRIER FREQUENCY (fo) ADJUSTMENT

TP	ADJ.	MODE	INPUT
(L) BETWEEN C4516 AND R4513 (R) BETWEEN C4566 AND R4563	(L) VR4501 (R) VR4509	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER	(L) 1.4 (MHz)+−3 (KHz) (R) 1.8 (MHz)+−3 (KHz)	

1. Connect the Frequency Counter to between C4516 and R4513.
2. Adjust VR4501 so that reading of Frequency counter is 1.4 (MHz)+−3 (KHz).
3. Connect the Frequency Counter to between C4566 and R4563.
4. Adjust VR4509 so that reading of Frequency counter is 1.8 (MHz)+−3 (KHz).

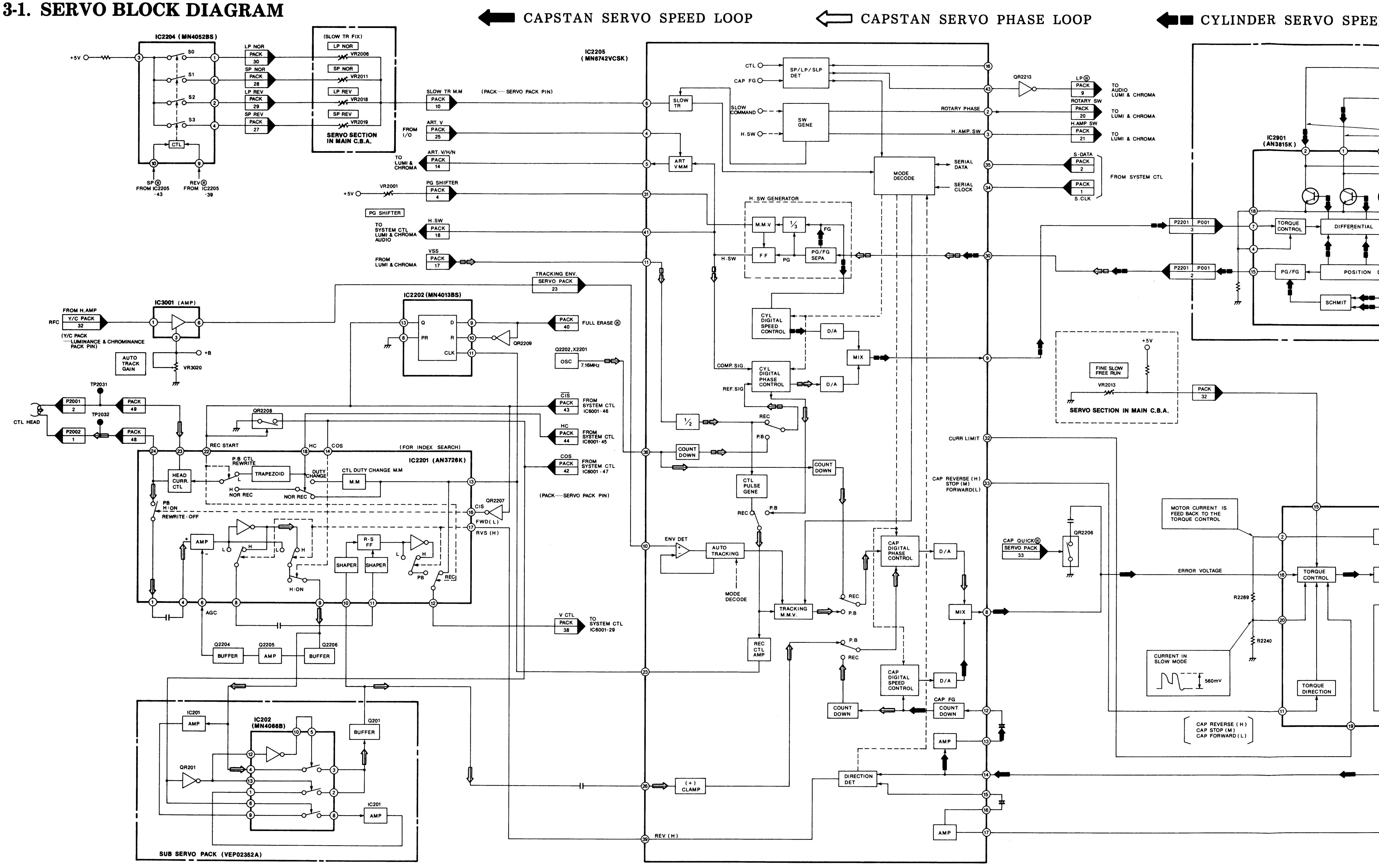
TIMER Section

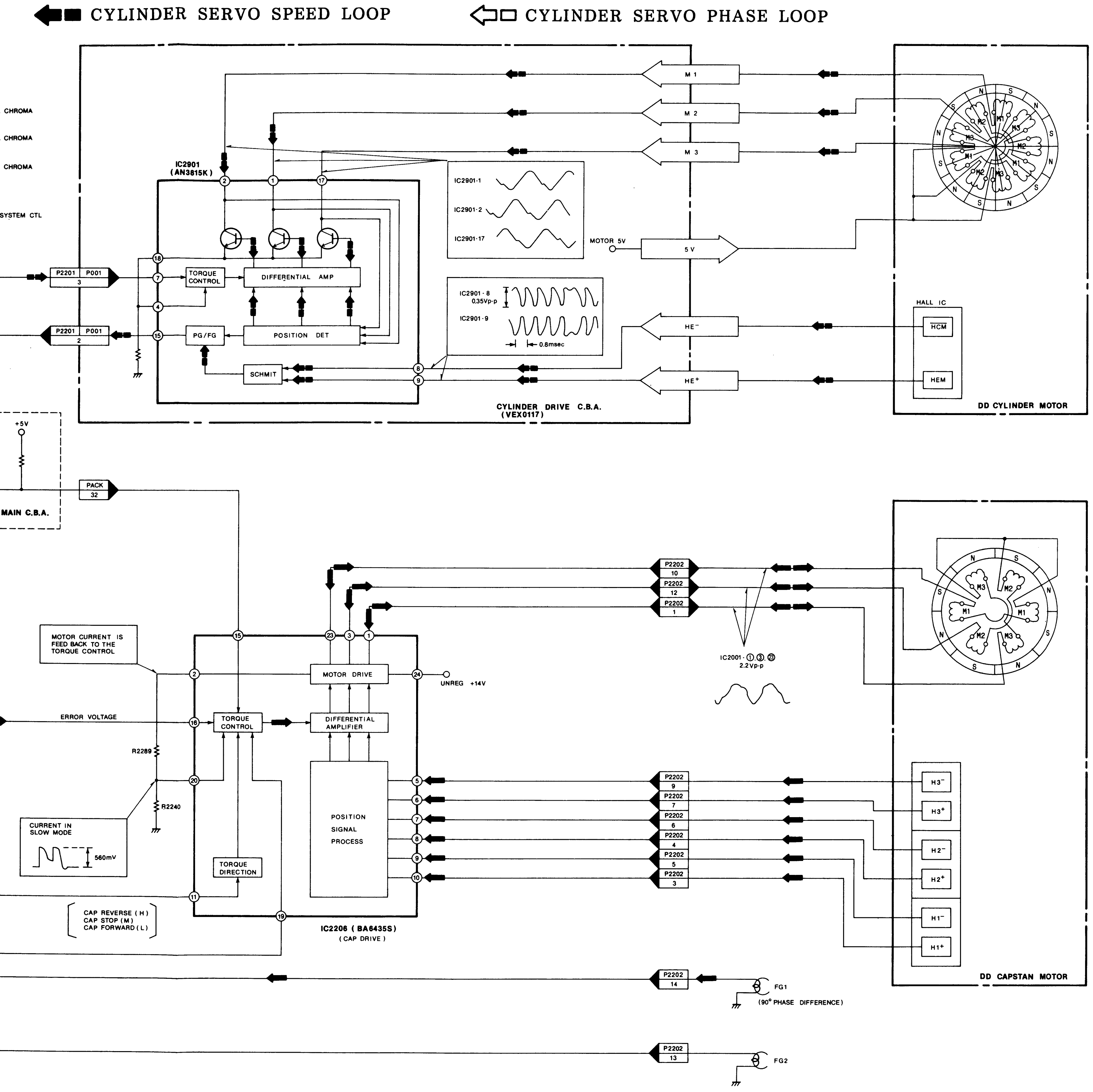
2-3-22. TIMER REFERENCE CLOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP7501	C7501	STOP	
TAPE	**M. EQ.**	**SPEC.**	
	UNIVERSAL COUNTER	7812.5+−0.015 (us)	

1. Connect P7501-3 and P7501-4, then supply DC 5.0+−0.1(V) to P7501-3.
2. Connect P7501-6 and GND.
3. Connect the Universal Counter to TP7501.
4. Adjust C7501 so that TP7501 becomes 7812.5+−0.015 (us).

SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. SERVO BLOCK DIAGRAM


CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEE
IC2204 (MN4052BS)
+5V
S0
S1
S2
S3
CTL
SP Ⓗ FROM IC2205 -43
REV Ⓗ FROM IC2205 -39
LP NOR PACK 30
SP NOR PACK 28
LP REV PACK 29
SP REV PACK 27
(SLOW TR FIX)
LP NOR VR2006
SP NOR VR2011
LP REV VR2018
SP REV VR2019
SERVO SECTION IN MAIN C.B.A.
SLOW TR M.M PACK 10
(PACK····· SERVO PACK PIN)
FROM I/O
ART. V PACK 25
TO LUMI & CHROMA
ART. V/H/N PACK 14
VR2001
PG SHIFTER PACK 4
PG SHIFTER
TO SYSTEM CTL LUMI & CHROMA AUDIO
H.SW PACK 18
FROM LUMI & CHROMA
VSS PACK 17
TRACKING ENV. SERVO PACK 23
IC2205 (MN6742VCSK)
CTL
CAP FG
SP/LP/SLP DET
SLOW TR
SLOW COMMAND
SW GENE
H.SW
ART V.M.M
MODE DECODE
ROTARY PHASE
H.AMP.SW
SERIAL DATA
SERIAL CLOCK
H.SW GENERATOR
M.M.V
1/3
FG
F F
PG
PG/FG SEPA
CYL DIGITAL SPEED CONTROL
D/A
MIX
COMP. SIG.
REF. SIG
CYL DIGITAL PHASE CONTROL
1/2
REC
P.B
COUNT DOWN
CTL PULSE GENE
ENV DET
AUTO TRACKING
MODE DECODE
TRACKING M.M.V.
REC CTL AMP
(+) CLAMP
CAP DIGITAL PHASE CONTROL
CAP DIGITAL SPEED CONTROL
CAP FG
AMP
DIRECTION DET
CURR LIMIT
CAP REVERSE (H) STOP (M) FORWARD (L)
REV (H)
QR2213
LP Ⓗ PACK 9
ROTARY SW PACK 20
H.AMP SW PACK 21
TO AUDIO LUMI & CHROMA
TO LUMI & CHROMA
S.DATA PACK 2
PACK 1 S.CLK
FROM SYSTEM CTL
IC3001 (AMP)
FROM H.AMP
RFC
Y/C PACK 32
(Y/C PACK ·····LUMINANCE & CHROMINANCE PACK PIN)
AUTO TRACK GAIN
VR3020
+B
IC2202 (MN4013BS)
Q
D
PR
R
CLK
PACK 40 FULL ERASE Ⓗ
QR2209
Q2202, X2201
OSC
7.16MHz
CIS PACK 43 FROM SYSTEM CTL IC6001-46
HC PACK 44 FROM SYSTEM CTL IC6001-45
COS PACK 42 FROM SYSTEM CTL IC6001-47
(PACK·····SERVO PACK PIN)
TP2031
TP2032
CTL HEAD
P2001 2
P2002 1
PACK 49
PACK 48
QR2208
REC START
HC
COS
(FOR INDEX SEARCH)
IC2201 (AN3726K)
P.B CTL REWRITE
TRAPEZOID
DUTY CHANGE
CTL DUTY CHANGE M.M
M.M
HEAD CURR. CTL
H NOR REC
NOR REC
PB H:ON REWRITE: OFF
QR2207
CIS
FWD (L)
RVS (H)
AMP
R-S FF
SHAPER
H:ON
AGC
V CTL PACK 38 TO SYSTEM CTL IC6001-29
Q2204 BUFFER
Q2205 AMP
Q2206 BUFFER
IC201 AMP
IC202 (MN4066B)
Q201 BUFFER
QR201
IC201 AMP
SUB SERVO PACK (VEP02352A)
IC2901 (AN3815K)
P2201 P001 3
P2201 P001 2
TORQUE CONTROL
DIFFERENTIAL
PG/FG
POSITION D
SCHMIT
+5V
FINE SLOW FREE RUN
VR2013
SERVO SECTION IN MAIN C.B.A.
PACK 32
CAP QUICK Ⓗ SERVO PACK 33
QR2206
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
ERROR VOLTAGE
R2289
R2240
CURRENT IN SLOW MODE
560mV
TORQUE CONTROL
TORQUE DIRECTION
CAP REVERSE (H) CAP STOP (M) CAP FORWARD (L)


CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CHROMA
CHROMA
CHROMA
SYSTEM CTL
IC2901
(AN3815K)
2
1
17
18
7
4
15
8
9
P2201 P001
3
P2201 P001
2
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2901-1
IC2901-2
IC2901-17
IC2901-8
0.35Vp-p
IC2901-9
0.8msec
M 1
M 2
M 3
MOTOR 5V
5 V
HE⁻
HE⁺
HALL IC
HCM
HEM
CYLINDER DRIVE C.B.A.
(VEX0117)
DD CYLINDER MOTOR
M1
M2
M3
N
S
+5V
PACK
32
MAIN C.B.A.
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
ERROR VOLTAGE
R2289
R2240
CURRENT IN SLOW MODE
560mV
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
15
23
3
1
2
24
16
20
11
19
5
6
7
8
9
10
MOTOR DRIVE
UNREG +14V
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
IC2206 (BA6435S)
(CAP DRIVE)
P2202
10
P2202
12
P2202
1
IC2001 · ① ③ ㉓
2.2Vp-p
P2202
9
P2202
7
P2202
6
P2202
4
P2202
5
P2202
3
H3⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
DD CAPSTAN MOTOR
P2202
14
FG1
(90° PHASE DIFFERENCE)
P2202
13
FG2

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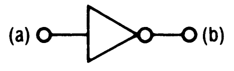 </td><td>
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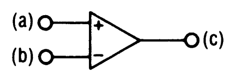
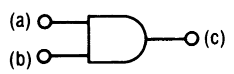
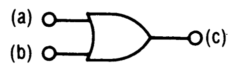
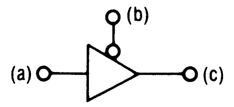
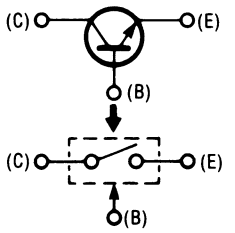
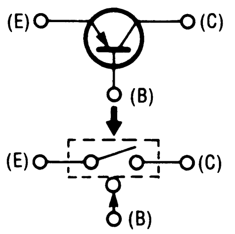
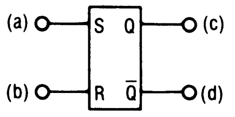
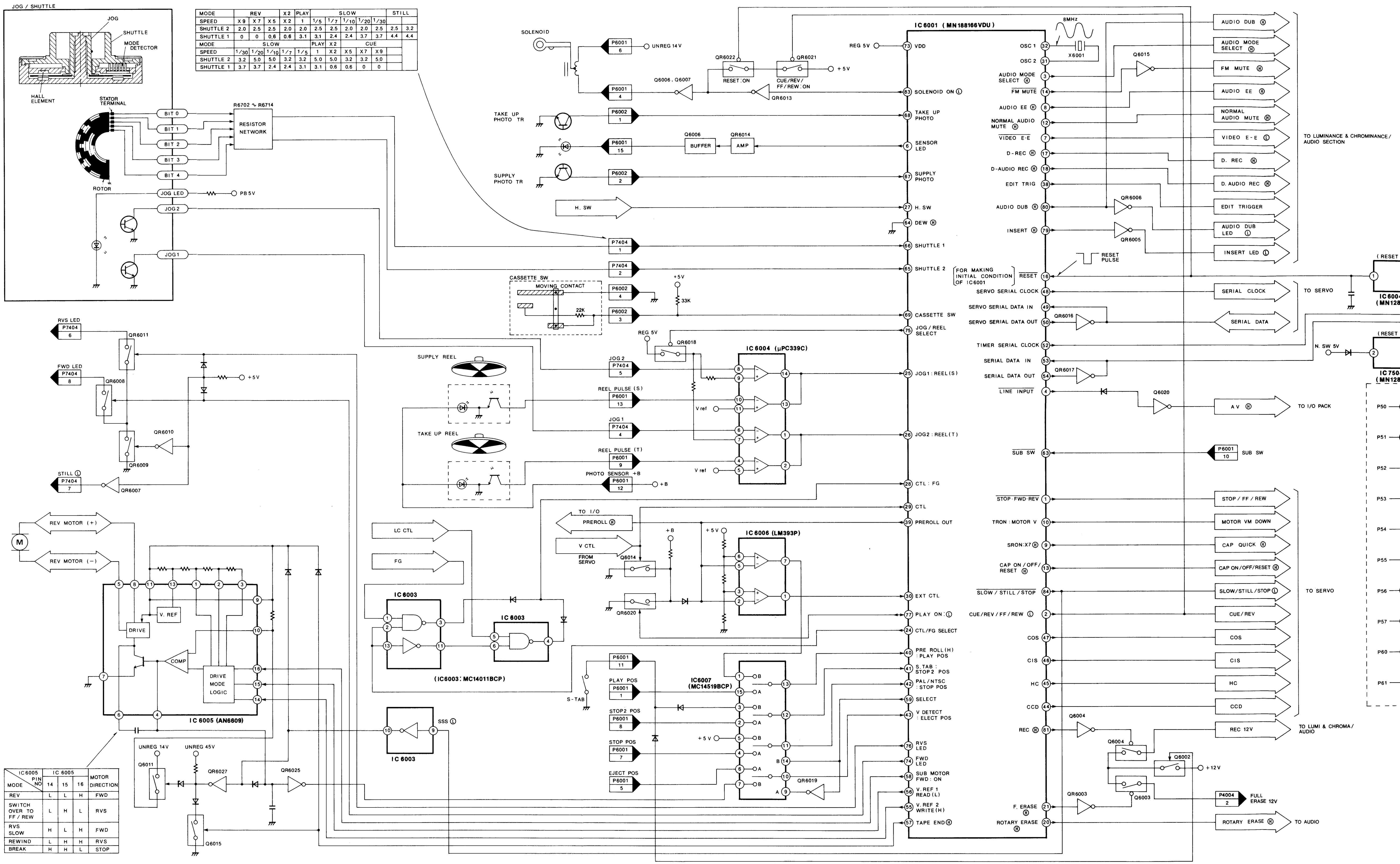
<tr><td>OUT</td><td>(b)</td><td>L</td><td>H</td></tr>
</table></td></tr>
<tr><td>COMPARTOR
 </td><td>
<table>
<tr><td>IN</td><td>(a)
(b)</td><td>(a)>(b)</td><td>(a)<(b)</td></tr>
<tr><td>OUT</td><td>(c)</td><td>H</td><td>L</td></tr>
</table></td></tr>
<tr><td>AND CIRCUIT
 </td><td>
<table>
<tr><td rowspan="2">IN</td><td>(a)</td><td>L</td><td>L</td><td>H</td><td>H</td></tr>
<tr><td>(b)</td><td>L</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>OUT</td><td>(c)</td><td>L</td><td>L</td><td>L</td><td>H</td></tr>
</table></td></tr>
<tr><td>OR CIRCUIT
 </td><td>
<table>
<tr><td rowspan="2">IN</td><td>(a)</td><td>L</td><td>L</td><td>H</td><td>H</td></tr>
<tr><td>(b)</td><td>L</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>OUT</td><td>(c)</td><td>L</td><td>H</td><td>H</td><td>H</td></tr>
</table></td></tr>
<tr><td>THREE STATES BUFFER
 </td><td>
<table>
<tr><td rowspan="2">IN</td><td>(a)</td><td>H</td><td>L</td><td>H or L</td></tr>
<tr><td>(b)</td><td>L</td><td>L</td><td>H</td></tr>
<tr><td>OUT</td><td>(c)</td><td>H</td><td>L</td><td>※</td></tr>
</table>
※ High Impedance</td></tr>
<tr><td>TR. SW (NPN TYPE)
 </td><td>
<table>
<tr><td>BASE</td><td>H</td><td>L</td></tr>
<tr><td>TR. SW</td><td>ON</td><td>OFF</td></tr>
</table></td></tr>
<tr><td>TR. SW (PNP TYPE)
 </td><td>
<table>
<tr><td>BASE</td><td>H</td><td>L</td></tr>
<tr><td>TR. SW</td><td>OFF</td><td>ON</td></tr>
</table></td></tr>
<tr><td>R-S TYPE FLIP-FLOP
 </td><td>
<table>
<tr><td rowspan="2">IN</td><td>(a)</td><td>L</td><td>L</td><td>⎍</td></tr>
<tr><td>(b)</td><td>L</td><td>⎍</td><td>L</td></tr>
<tr><td rowspan="2">OUT</td><td>(c)</td><td>※</td><td>L</td><td>H</td></tr>
<tr><td>(d)</td><td>◆</td><td>H</td><td>L</td></tr>
</table>
※ Initial condition is maintained.
◆ Initial condition is reverced.</td></tr>
</table>

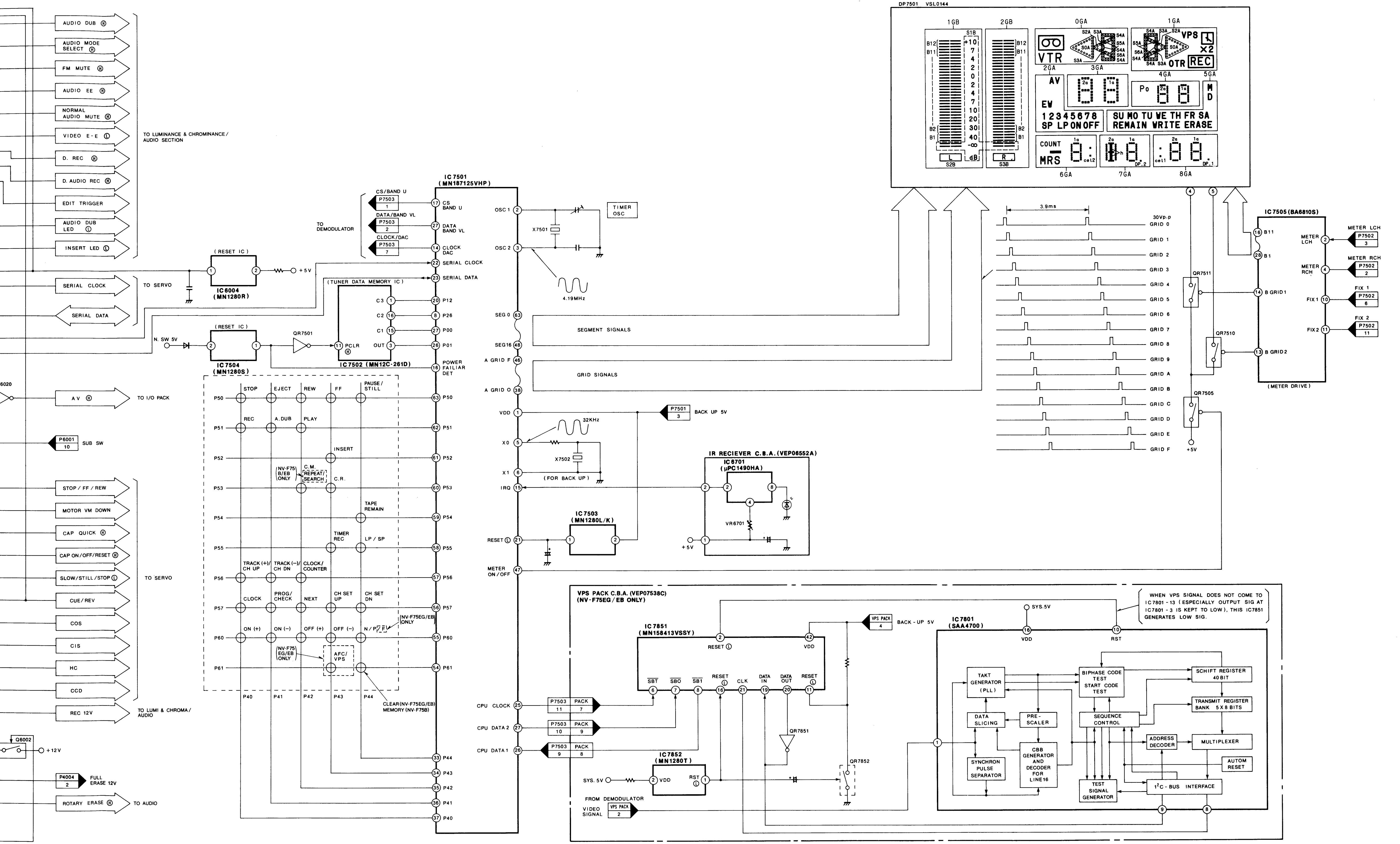
3-2. SYSTEM CONTROL BLOCK DIAGRAM


JOG / SHUTTLE
JOG
SHUTTLE
MODE DETECTOR
HALL ELEMENT
STATOR TERMINAL
ROTOR
BIT 0
BIT 1
BIT 2
BIT 3
BIT 4
JOG LED
PB 5V
JOG 2
JOG 1
R6702 ∿ R6714
RESISTOR NETWORK
SOLENOID
P6001 6
UNREG 14V
P6001 4
Q6006 · Q6007
QR6022
QR6021
RESET : ON
CUE / REV / FF / REW : ON
+5V
QR6013
TAKE UP PHOTO TR
P6002 1
P6001 15
Q6006 BUFFER
QR6014 AMP
SUPPLY PHOTO TR
P6002 2
H. SW
P7404 1
P7404 2
CASSETTE SW
MOVING CONTACT
P6002 4
P6002 3
22K
33K
REG 5V
QR6018
IC 6004 (μPC339C)
SUPPLY REEL
TAKE UP REEL
JOG 2 P7404 5
REEL PULSE (S) P6001 13
JOG 1 P7404 4
REEL PULSE (T) P6001 9
PHOTO SENSOR +B P6001 12
+B
V ref
IC 6001 (MN188166VDU)
REG 5V
73 VDD
83 SOLENOID ON Ⓛ
68 TAKE UP PHOTO
6 SENSOR LED
67 SUPPLY PHOTO
27 H. SW
64 DEW Ⓗ
66 SHUTTLE 1
65 SHUTTLE 2
69 CASSETTE SW
75 JOG / REEL SELECT
25 JOG1 : REEL (S)
26 JOG2 : REEL (T)
28 CTL : FG
29 CTL
39 PREROLL OUT
30 EXT CTL
77 PLAY ON : Ⓛ
24 CTL/FG SELECT
40 PRE ROLL (H) : PLAY POS
41 S. TAB : STOP 2 POS
42 PAL / NTSC : STOP POS
59 SELECT
43 V DETECT : ELECT POS
76 RVS LED
74 FWD LED
58 SUB MOTOR FWD : ON
56 V. REF 1 READ (L)
55 V. REF 2 WRITE (H)
57 TAPE END Ⓗ
8MHz
OSC 1 32
OSC 2 31
X6001
AUDIO MODE SELECT Ⓗ 3
FM MUTE 14
AUDIO EE Ⓗ 8
NORMAL AUDIO MUTE Ⓗ 12
VIDEO E-E 7
D-REC Ⓗ 17
D-AUDIO REC Ⓗ 18
EDIT TRIG 38
AUDIO DUB Ⓗ 80
INSERT Ⓗ 79
FOR MAKING INITIAL CONDITION OF IC6001
RESET 16
RESET PULSE
SERVO SERIAL CLOCK 48
SERVO SERIAL DATA IN 49
SERVO SERIAL DATA OUT 50
TIMER SERIAL CLOCK 52
SERIAL DATA IN 53
SERIAL DATA OUT 54
LINE INPUT 4
SUB SW 63
STOP·FWD·REV 1
TRON : MOTOR V 10
SRON : X7 Ⓗ 9
CAP ON / OFF / RESET Ⓗ 13
SLOW / STILL / STOP 84
CUE / REV / FF / REW Ⓛ 2
COS 47
CIS 46
HC 45
CCD 44
REC Ⓗ 81
F. ERASE Ⓗ 21
ROTARY ERASE Ⓗ 20
Q6015
QR6006
QR6005
QR6016
QR6017
Q6020
Q6004
Q6002
QR6003
Q6003
+12V
AUDIO DUB Ⓗ
AUDIO MODE SELECT Ⓗ
FM MUTE Ⓗ
AUDIO EE Ⓗ
NORMAL AUDIO MUTE Ⓗ
VIDEO E-E Ⓛ
D. REC Ⓗ
D. AUDIO REC Ⓗ
EDIT TRIGGER
AUDIO DUB LED Ⓛ
INSERT LED Ⓛ
TO LUMINANCE & CHROMINANCE / AUDIO SECTION
SERIAL CLOCK
SERIAL DATA
TO SERVO
N. SW 5V
A V Ⓗ
TO I/O PACK
P6001 10 SUB SW
STOP / FF / REW
MOTOR VM DOWN
CAP QUICK Ⓗ
CAP ON/OFF/RESET Ⓗ
SLOW/STILL/STOP Ⓛ
CUE/REV
COS
CIS
HC
CCD
REC 12V
TO LUMI & CHROMA / AUDIO
P4004 2 FULL ERASE 12V
ROTARY ERASE Ⓗ
TO AUDIO
(RESET
IC600
(MN12
IC750
(MN12
P50
P51
P52
P53
P54
P55
P56
P57
P60
P61
RVS LED P7404 6
QR6011
FWD LED P7404 8
QR6008
QR6010
QR6009
STILL Ⓛ P7404 7
QR6007
+5V
REV MOTOR (+)
REV MOTOR (−)
M
V. REF
DRIVE
COMP
DRIVE MODE LOGIC
IC 6005 (AN6609)
LC CTL
FG
IC 6003
(IC6003 : MC14011BCP)
SSS Ⓛ
TO I/O
PREROLL Ⓗ
V CTL
FROM SERVO
Q6014
Q6020
IC 6006 (LM393P)
P6001 11
S-TAB
PLAY POS P6001 1
STOP2 POS P6001 8
STOP POS P6001 7
EJECT POS P6001 5
IC6007 (MC14519BCP)
QR6019
UNREG 14V
UNREG 45V
Q6011
QR6027
QR6025
Q6015

MODE	REV			X2	PLAY	SLOW					STILL	
SPEED	X 9	X 7	X 5	X 2	1	1/5	1/7	1/10	1/20	1/30		
SHUTTLE 2	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.5	3.2
SHUTTLE 1	0	0	0.6	0.6	3.1	3.1	2.4	2.4	3.7	3.7	4.4	4.4
MODE	SLOW					PLAY	X2	CUE				
SPEED	1/30	1/20	1/10	1/7	1/5	1	X2	X5	X7	X9		
SHUTTLE 2	3.2	5.0	5.0	3.2	3.2	5.0	5.0	3.2	3.2	5.0		
SHUTTLE 1	3.7	3.7	2.4	2.4	3.1	3.1	0.6	0.6	0	0		

IC6005 PIN NO / MODE	IC 6005			MOTOR DIRECTION
	14	15	16	
REV	L	L	H	FWD
SWITCH OVER TO FF / REW	L	H	L	RVS
RVS SLOW	H	L	H	FWD
REWIND	L	H	H	RVS
BREAK	H	H	L	STOP

Back Page:
SERVO Section


AUDIO DUB Ⓗ
AUDIO MODE SELECT Ⓗ
FM MUTE Ⓗ
AUDIO EE Ⓗ
NORMAL AUDIO MUTE Ⓗ
VIDEO E-E Ⓛ
D. REC Ⓗ
D. AUDIO REC Ⓗ
EDIT TRIGGER
AUDIO DUB LED Ⓛ
INSERT LED Ⓛ
TO LUMINANCE & CHROMINANCE/ AUDIO SECTION
SERIAL CLOCK
SERIAL DATA
TO SERVO
(RESET IC)
IC6004 (MN1280R)
+5V
N. SW 5V
IC7504 (MN1280S)
QR7501
IC7502 (MN12C-261D)
(TUNER DATA MEMORY IC)
C3
C2
C1
OUT
PCLR Ⓗ
AV Ⓗ
TO I/O PACK
P6001 10
SUB SW
STOP / FF / REW
MOTOR VM DOWN
CAP QUICK Ⓗ
CAP ON/OFF/RESET Ⓗ
SLOW/STILL/STOP Ⓛ
CUE/REV
COS
CIS
HC
CCD
REC 12V
TO SERVO
TO LUMI & CHROMA/ AUDIO
Q6002
+12V
P4004 2
FULL ERASE 12V
ROTARY ERASE Ⓗ
TO AUDIO
IC7501 (MN187125VHP)
CS/BAND U
P7503 1
DATA/BAND VL
P7503 2
CLOCK/DAC
P7503 7
TO DEMODULATOR
CS BAND U
DATA BAND VL
CLOCK DAC
SERIAL CLOCK
SERIAL DATA
P12
P26
P00
P01
POWER FAILIAR DET
STOP
EJECT
REW
FF
PAUSE/ STILL
REC
A.DUB
PLAY
INSERT
(NV-F75 B/EB ONLY)
C.M. REPEAT/ SEARCH
C.R.
TAPE REMAIN
TIMER REC
LP / SP
TRACK (+)/ CH UP
TRACK (−)/ CH DN
CLOCK/ COUNTER
CLOCK
PROG/ CHECK
NEXT
CH SET UP
CH SET DN
ON (+)
ON (−)
OFF (+)
OFF (−)
N / P
(NV-F75EG/EB) ONLY
(NV-F75 EG/EB) ONLY
AFC/ VPS
CLEAR(NV-F75EG/EB) MEMORY (NV-F75B)
P50
P51
P52
P53
P54
P55
P56
P57
P60
P61
P40
P41
P42
P43
P44
OSC 1
OSC 2
X7501
TIMER OSC
4.19MHz
SEG 0
SEG16
A GRID F
A GRID 0
SEGMENT SIGNALS
GRID SIGNALS
VDD
P7501 3
BACK UP 5V
32KHz
X0
X1
X7502
(FOR BACK UP)
IRQ
RESET Ⓛ
METER ON / OFF
IC7503 (MN1280L/K)
IR RECIEVER C.B.A. (VEP06552A)
IC6701 (μPC1490HA)
VR6701
+5V
CPU CLOCK
CPU DATA 2
CPU DATA 1
P7503 PACK 11 7
P7503 PACK 10 9
P7503 PACK 9 8
VPS PACK C.B.A. (VEP07538C) (NV-F75EG/EB ONLY)
IC7851 (MN158413VSSY)
RESET Ⓛ
VDD
SBT
SBO
SB1
RESET Ⓛ
CLK
DATA IN
DATA OUT
RESET Ⓛ
VPS PACK 4
BACK-UP 5V
QR7851
QR7852
IC7852 (MN1280T)
SYS. 5V
VDD
RST Ⓛ
FROM DEMODULATOR
VIDEO SIGNAL
VPS PACK 2
SYS.5V
IC7801 (SAA4700)
VDD
RST
WHEN VPS SIGNAL DOES NOT COME TO IC7801-13 (ESPECIALLY OUTPUT SIG AT IC7801-3 IS KEPT TO LOW), THIS IC7851 GENERATES LOW SIG.
TAKT GENERATOR (PLL)
BIPHASE CODE TEST START CODE TEST
SCHIFT REGISTER 40 BIT
TRANSMIT REGISTER BANK 5×8 BITS
DATA SLICING
PRE-SCALER
SEQUENCE CONTROL
ADDRESS DECODER
MULTIPLEXER
SYNCHRON PULSE SEPARATOR
CBB GENERATOR AND DECODER FOR LINE16
TEST SIGNAL GENERATOR
I^2C-BUS INTERFACE
AUTOM RESET
DP7501 VSL0144
1GB
2GB
0GA
1GA
2GA
3GA
4GA
5GA
6GA
7GA
8GA
S1B
S2B
S3B
B12
B11
B2
B1
+10
7
4
2
0
2
4
7
10
20
30
40
-∞
dB
L
R
VTR
VPS
OTR
REC
×2
AV
EW
Po
M
D
12345678
SP LP ON OFF
SU MO TU WE TH FR SA
REMAIN WRITE ERASE
COUNT
MRS
col2
col1
DP.2
DP.1
3.9ms
30Vp-p
GRID 0
GRID 1
GRID 2
GRID 3
GRID 4
GRID 5
GRID 6
GRID 7
GRID 8
GRID 9
GRID A
GRID B
GRID C
GRID D
GRID E
GRID F
QR7511
QR7510
QR7505
+5V
IC7505 (BA6810S)
B11
B1
B GRID1
B GRID2
METER LCH
METER RCH
FIX 1
FIX 2
P7502 3
P7502 2
P7502 6
P7502 11
(METER DRIVE)

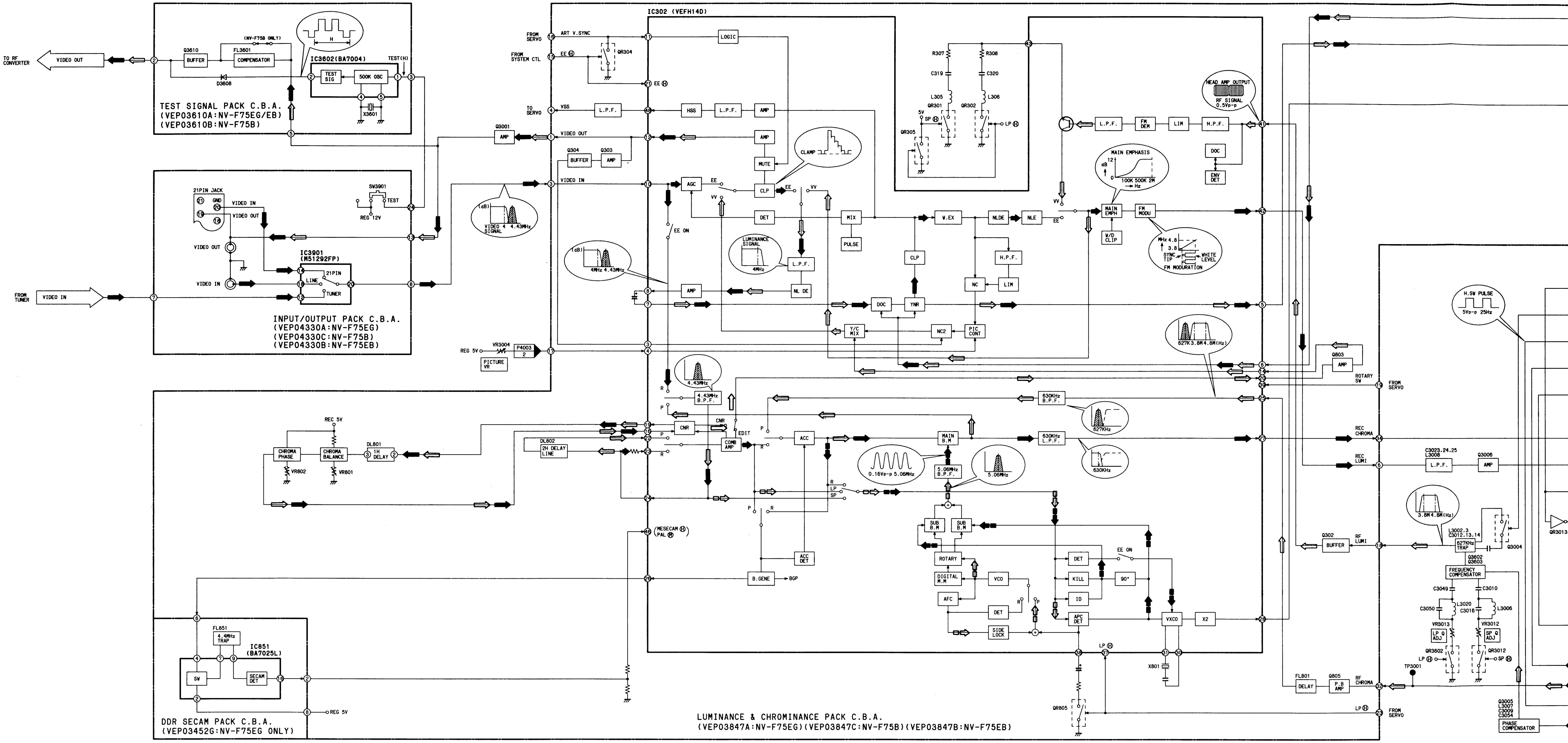
3-3. LUMINANCE & CHROMINANCE BLOCK DIAGRAM

◀ MAIN SIGNAL PATH IN REC MODE

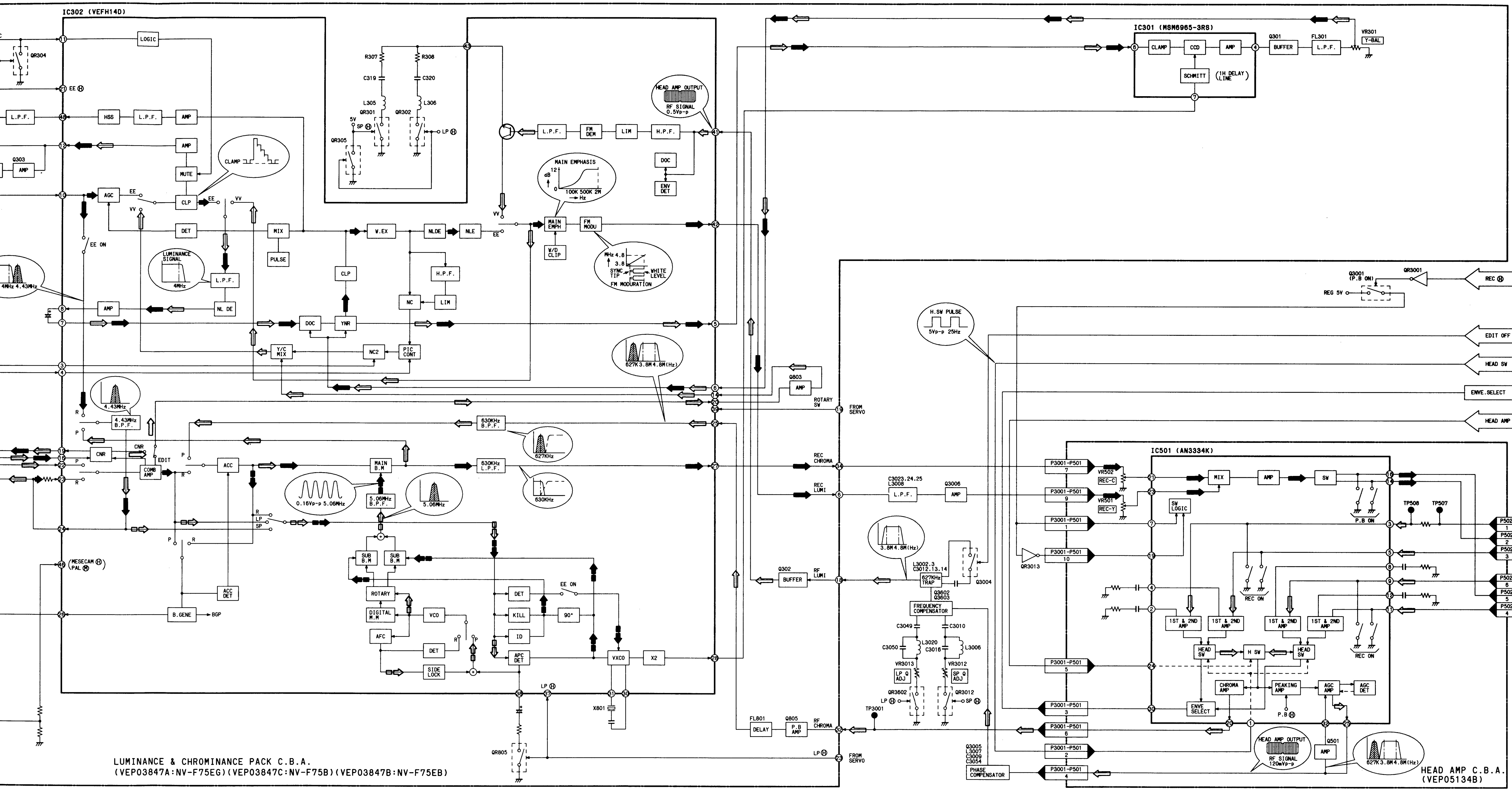
⇦ MAIN SIGNAL PATH IN PLAYBACK MODE

◀■ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE

⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK

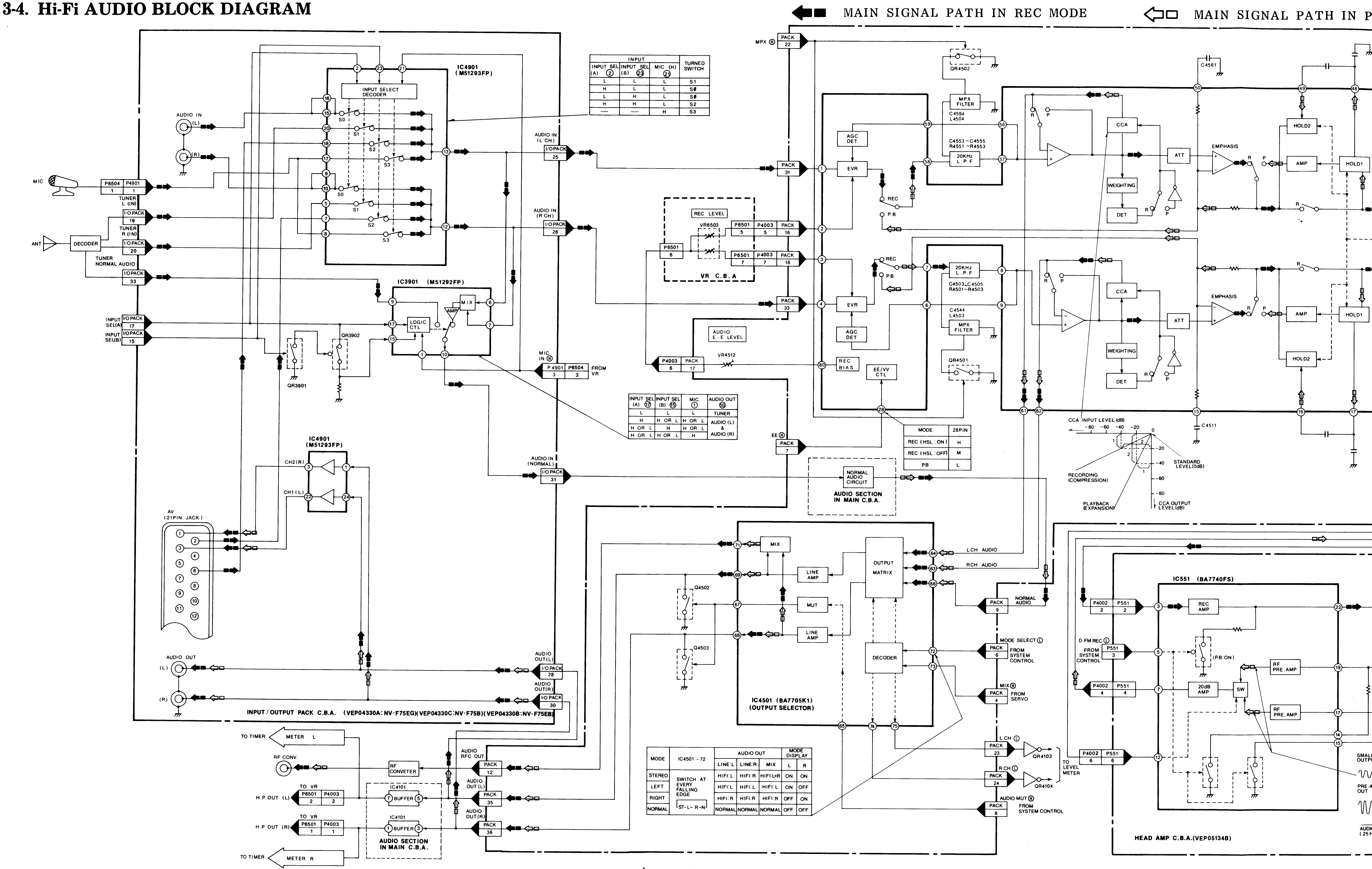

TO RF CONVERTER
VIDEO OUT
Q3610
BUFFER
FL3601
COMPENSATOR
(NV-F75B ONLY)
D3608
IC3602(BA7004)
TEST SIG
500K OSC
TEST(H)
X3601
TEST SIGNAL PACK C.B.A.
(VEP03610A:NV-F75EG/EB)
(VEP03610B:NV-F75B)
21PIN JACK
GND
VIDEO IN
VIDEO OUT
SW3901
TEST
REG 12V
IC3901 (M51292FP)
21PIN
LINE
TUNER
FROM TUNER
INPUT/OUTPUT PACK C.B.A.
(VEP04330A:NV-F75EG)
(VEP04330C:NV-F75B)
(VEP04330B:NV-F75EB)
FROM SERVO
ART V.SYNC
FROM SYSTEM CTL
EE
QR304
TO SERVO
VSS
Q3001
AMP
Q304
BUFFER
Q303
VIDEO 4 4.43MHz SIGNAL
REG 5V
VR3004
P4003
PICTURE VR
IC302 (VEFH14D)
LOGIC
L.P.F.
HSS
MUTE
CLAMP
CLP
AGC
EE ON
DET
MIX
PULSE
LUMINANCE SIGNAL
4MHz 4.43MHz
NL DE
R307
R308
C319
C320
L305
L306
QR301
QR302
QR305
SP
LP
W.EX
NLDE
NLE
H.P.F.
NC
LIM
DOC
YNR
NC2
Y/C MIX
PIC CONT
HEAD AMP OUTPUT
RF SIGNAL 0.5Vp-p
FM DEM
ENV DET
MAIN EMPHASIS
100K 500K 2M Hz
MAIN EMPH
FM MODU
W/D CLIP
SYNC TIP
WHITE LEVEL
FM MODURATION
627K3.8M4.8M(Hz)
Q803
ROTARY SW
4.43MHz
4.43MHz B.P.F.
CNR
COMB AMP
EDIT
ACC
MAIN B.M
630KHz B.P.F.
630KHz L.P.F.
627KHz
630KHz
REC CHROMA
REC LUMI
0.16Vp-p 5.06MHz
5.06MHz B.P.F.
5.06MHz
SUB B.M
ROTARY
DIGITAL M.M
VCO
AFC
SIDE LOCK
KILL
ID
90°
APC DET
VXCO
X2
X801
QR805
ACC DET
B.GENE
BGP
(MESECAM H / PAL L)
REC 5V
CHROMA PHASE
CHROMA BALANCE
VR802
VR801
DL801
1H DELAY
DL802
2H DELAY LINE
FL851
4.4MHz TRAP
IC851 (BA7025L)
SW
SECAM DET
DDR SECAM PACK C.B.A.
(VEP03452G:NV-F75EG ONLY)
LUMINANCE & CHROMINANCE PACK C.B.A.
(VEP03847A:NV-F75EG)(VEP03847C:NV-F75B)(VEP03847B:NV-F75EB)
H.SW PULSE
5Vp-p 25Hz
C3023.24.25
L3008
Q3006
3.8M4.8M(Hz)
L3002.3
C3012.13.14
627KHz TRAP
Q3004
Q302
RF LUMI
Q3602
Q3603
FREQUENCY COMPENSATOR
C3049
C3010
C3050
L3020
C3018
L3006
VR3013
VR3012
LP Q ADJ
SP Q ADJ
QR3602
QR3012
TP3001
FL801
DELAY
Q805
P.B AMP
RF CHROMA
Q3005
L3007
C3009
C3054
PHASE COMPENSATOR
QR3013

- ⬅ MAIN SIGNAL PATH IN REC MODE
- ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE
- ⬅■ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE
- ⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE


IC302 (VEFH14D)
LOGIC
QR304
EE Ⓗ
L.P.F.
HSS
L.P.F.
AMP
AMP
Q303
AMP
MUTE
CLAMP
AGC
EE
CLP
EE
VV
VV
DET
MIX
PULSE
EE ON
LUMINANCE SIGNAL
4MHz
L.P.F.
NL DE
4MHz 4.43MHz
AMP
DOC
YNR
Y/C MIX
NC2
PIC CONT
CLP
NC
H.P.F.
LIM
W.EX
NLDE
NLE
R307
R308
C319
C320
L305
L306
QR301
QR302
5V
SP Ⓗ
LP Ⓗ
QR305
L.P.F.
FM DEM
LIM
H.P.F.
HEAD AMP OUTPUT
RF SIGNAL 0.5Vp-p
DOC
ENV DET
MAIN EMPHASIS
dB
12
0
100K 500K 2M
Hz
MAIN EMPH
FM MODU
W/D CLIP
MHz 4.8
3.8
SYNC TIP
WHITE LEVEL
FM MODURATION
627K 3.8M 4.8M (Hz)
4.43MHz
4.43MHz B.P.F.
CNR
CNR
EDIT
COMB AMP
ACC
MAIN B.M
630KHz B.P.F.
627KHz
630KHz L.P.F.
630KHz
0.16Vp-p 5.06MHz
5.06MHz B.P.F.
5.06MHz
R
LP
SP
P
R
(MESECAM Ⓗ)
(PAL Ⓜ)
ACC DET
B.GENE
BGP
SUB B.M
SUB B.M
ROTARY
DIGITAL M.M
VCO
AFC
DET
SIDE LOCK
DET
KILL
ID
APC DET
EE ON
90°
VXCO
X2
X801
LP Ⓗ
QR805
LUMINANCE & CHROMINANCE PACK C.B.A.
(VEP03847A:NV-F75EG)(VEP03847C:NV-F75B)(VEP03847B:NV-F75EB)
IC301 (MSM6965-3R8)
CLAMP
CCD
AMP
SCHMITT
(1H DELAY LINE)
Q301
BUFFER
FL301
L.P.F.
VR301
Y-BAL
Q803
AMP
ROTARY SW
FROM SERVO
REC CHROMA
REC LUMI
C3023,24,25
L3008
L.P.F.
Q3006
AMP
Q302
BUFFER
RF LUMI
3.8M 4.8M(Hz)
L3002,3
C3012,13,14
627KHz TRAP
Q3004
Q3602
Q3603
FREQUENCY COMPENSATOR
C3049
C3010
C3050
L3020
C3016
L3006
VR3013
LP Q ADJ
VR3012
SP Q ADJ
QR3602
QR3012
LP Ⓗ
SP Ⓗ
TP3001
FL801
DELAY
Q805
P.B AMP
RF CHROMA
LP Ⓗ
FROM SERVO
Q3005
L3007
C3009
C3054
PHASE COMPENSATOR
H.SW PULSE
5Vp-p 25Hz
Q3001
(P.B ON)
QR3001
REG 5V
REC Ⓗ
FROM SYSTEM CTL
EDIT OFF Ⓗ
FROM SERVO
HEAD SW
FROM SERVO
ENVE.SELECT
TO SERVO
HEAD AMP SW
FROM SERVO
IC501 (AN3334K)
P3001-P501
VR502
REC-C
VR501
REC-Y
MIX
AMP
SW
SW LOGIC
P.B ON
TP506
TP507
QR3013
REC ON
1ST & 2ND AMP
1ST & 2ND AMP
1ST & 2ND AMP
1ST & 2ND AMP
HEAD SW
H SW
HEAD SW
REC ON
CHROMA AMP
PEAKING AMP
AGC AMP
AGC DET
P.B Ⓗ
ENVE SELECT
Q501
AMP
HEAD AMP OUTPUT
RF SIGNAL 120mVp-p
627K 3.8M 4.8M(Hz)
HEAD AMP C.B.A.
(VEP05134B)
P502
SP VIDEO HEAD L'
SP VIDEO HEAD R'
LP VIDEO HEAD R
LP VIDEO HEAD L
R (26μm)
620±5μm
L' (49μm)
R' (49μm)
L (26μm)

Next Page:
Hi-Fi AUDIO Section

3-4. Hi-Fi AUDIO BLOCK DIAGRAM


MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN P
IC4901 (M51293FP)
INPUT SELECT DECODER
S0
S1
S2
S3
AUDIO IN (L)
(R)
MIC
P6504
P4901
TUNER L (IN)
I/O PACK 19
TUNER R (IN)
I/O PACK 20
ANT
DECODER
TUNER NORMAL AUDIO
I/O PACK 33
INPUT SEL(A)
I/O PACK 17
INPUT SEL(B)
I/O PACK 15
QR3901
QR3902
IC3901 (M51292FP)
LOGIC CTL
AMP
MIX
AUDIO IN (L CH)
I/O PACK 25
AUDIO IN (R CH)
I/O PACK 26
MIC IN H
P4901
P6504
FROM VR
IC4901 (M51293FP)
CH2(R)
CH1(L)
AV (21PIN JACK)
AUDIO IN (NORMAL)
I/O PACK 31
AUDIO OUT (L)
(R)
AUDIO OUT(L)
I/O PACK 28
AUDIO OUT(R)
I/O PACK 30
INPUT/OUTPUT PACK C.B.A. (VEP04330A: NV-F75EG)(VEP04330C: NV-F75B)(VEP04330B: NV-F75EB)
TO TIMER
METER L
RF CONV.
RF CONVETER
AUDIO RFC OUT
PACK 12
TO VR
P6501
P4003
H.P OUT (L)
IC4101
BUFFER
AUDIO OUT (L)
PACK 35
H.P OUT (R)
AUDIO OUT (R)
PACK 36
AUDIO SECTION IN MAIN C.B.A.
METER R
MPX H
PACK 22
QR4502
MPX FILTER
C4594
L4504
C4553~C4555
R4551~R4553
20KHz L.P.F
AGC DET
EVR
REC
P.B
PACK 31
REC LEVEL
VR6503
P6501
P4003
PACK 16
PACK 18
VR C.B.A
20KHz L.P.F
C4503~C4505
R4501~R4503
C4544
L4503
MPX FILTER
PACK 33
AUDIO E-E LEVEL
VR4512
P4003
PACK 17
REC BIAS
EE/VV CTL
QR4501
MODE
28PIN
REC (HSL:ON) H
REC (HSL:OFF) M
PB L
EE H
PACK 7
NORMAL AUDIO CIRCUIT
AUDIO SECTION IN MAIN C.B.A.
C4561
C4511
CCA
WEIGHTING
DET
ATT
EMPHASIS
AMP
HOLD1
HOLD2
R
P
CCA INPUT LEVEL (dB)
-80 -60 -40 -20 0
-20
-40
-60
-80
STANDARD LEVEL(0dB)
RECORDING (COMPRESSION)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL (dB)
MIX
LINE AMP
MUT
OUTPUT MATRIX
DECODER
Q4502
Q4503
IC4501 (BA7705K1) (OUTPUT SELECTOR)
L CH AUDIO
R CH AUDIO
PACK 9
NORMAL AUDIO
MODE SELECT L
PACK 6
FROM SYSTEM CONTROL
MIX H
PACK 4
FROM SERVO
L CH L
PACK 23
QR4103
R CH L
PACK 24
QR4104
TO LEVEL METER
AUDIO MUT H
PACK 8
FROM SYSTEM CONTROL
IC551 (BA7740FS)
P4002
P551
REC AMP
D.FM REC L
FROM SYSTEM CONTROL
(P.B:ON)
20dB AMP
SW
RF PRE.AMP
SMALL OUTP
PRE-A OUT
AUDI (25H
HEAD AMP C.B.A.(VEP05134B)

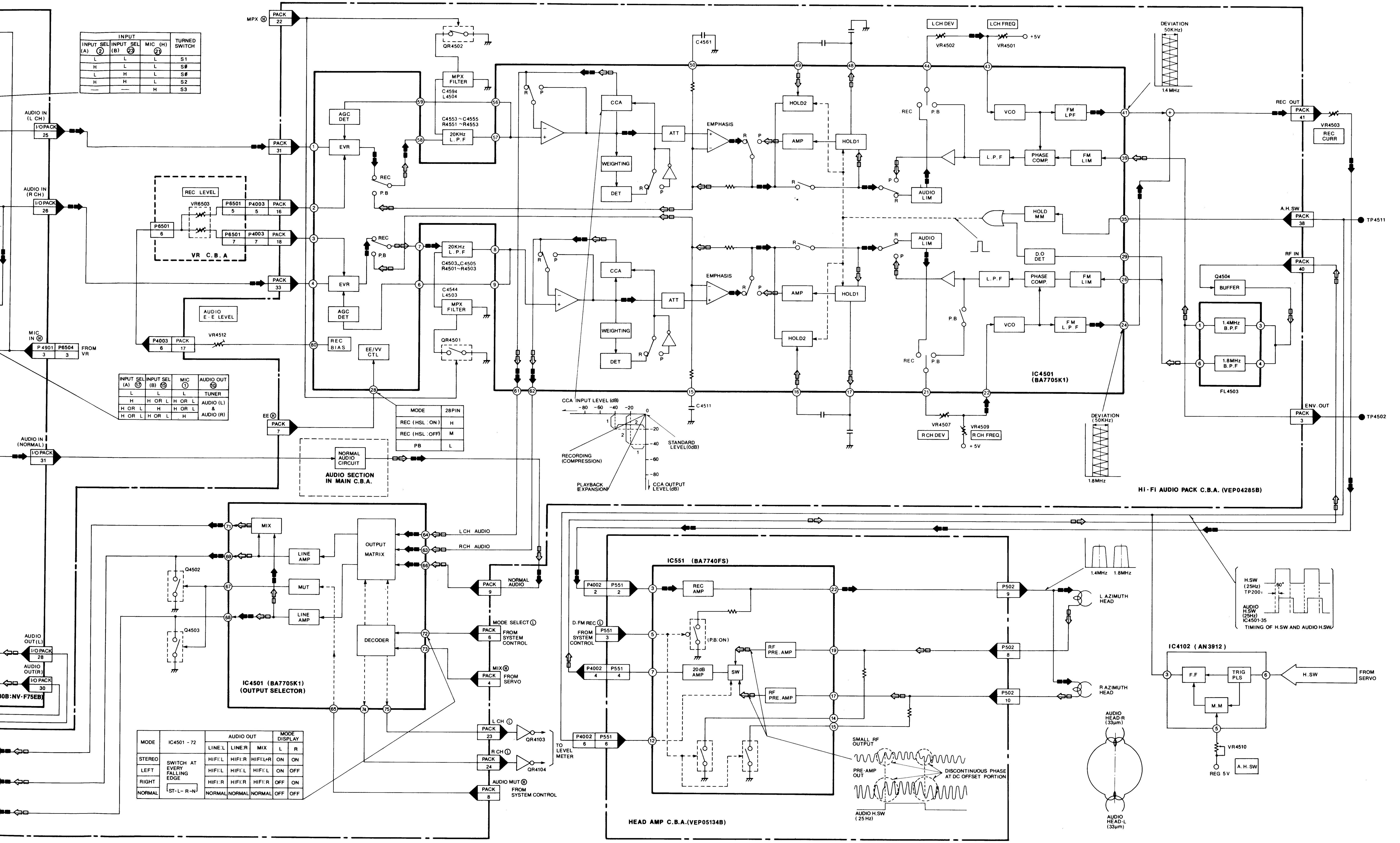
INPUT			TURNED SWITCH
INPUT SEL (A) ②	INPUT SEL (B) ㉓	MIC (H) ㉑	
L	L	L	S1
H	L	L	S0
L	H	L	S0
H	H	L	S2
—	—	H	S3

INPUT SEL (A) ⑰	INPUT SEL (B) ⑮	MIC ①	AUDIO OUT ⑩
L	L	L	TUNER
H	H OR L	H OR L	AUDIO (L) & AUDIO (R)
H OR L	H	H OR L	
H OR L	H OR L	H	

MODE	28PIN
REC (HSL:ON)	H
REC (HSL:OFF)	M
PB	L

MODE	IC4501 - 72	AUDIO OUT			MODE DISPLAY	
		LINE:L	LINE:R	MIX	L	R
STEREO	SWITCH AT EVERY FALLING EDGE ST-L-R-N	HIFI:L	HIFI:R	HIFI:L+R	ON	ON
LEFT		HIFI:L	HIFI:L	HIFI:L	ON	OFF
RIGHT		HIFI:R	HIFI:R	HIFI:R	OFF	ON
NORMAL		NORMAL	NORMAL	NORMAL	OFF	OFF

■■ MAIN SIGNAL PATH IN REC MODE　　□□ MAIN SIGNAL PATH IN PLAYBACK MODE


MPX Ⓗ
PACK 22
QR4502
MPX FILTER
C4594 L4504
C4553~C4555 R4551~R4553
20KHz L.P.F
AGC DET
EVR
REC
P.B
AUDIO IN (L CH)
I/O PACK 25
PACK 31
AUDIO IN (R CH)
I/O PACK 26
REC LEVEL
VR6503
P6501 5
P4003 5
PACK 16
P6501 6
P6501 7
P4003 7
PACK 18
VR C.B.A
PACK 33
AUDIO E-E LEVEL
MIC IN Ⓗ
P4901 3
P6504 3
FROM VR
P4003 6
PACK 17
VR4512
REC BIAS
EE/VV CTL
QR4501
C4503~C4505 R4501~R4503
C4544 L4503
EE Ⓗ
PACK 7
AUDIO IN (NORMAL)
I/O PACK 31
NORMAL AUDIO CIRCUIT
AUDIO SECTION IN MAIN C.B.A.
C4561
CCA
WEIGHTING
DET
ATT
EMPHASIS
HOLD2
AMP
HOLD1
AUDIO LIM
LCH DEV
LCH FREQ
VR4502
VR4501
+5V
VCO
FM LPF
PHASE COMP.
FM LIM
L.P.F
HOLD MM
D.O DET
DEVIATION 50KHz
1.4 MHz
REC OUT
PACK 41
VR4503
REC CURR
A.H.SW
PACK 38
TP4511
RF IN
PACK 40
Q4504
BUFFER
1.4MHz B.P.F
1.8MHz B.P.F
FL4503
ENV. OUT
PACK 3
TP4502
IC4501 (BA7705K1)
C4511
VR4507
VR4509
R CH DEV
R CH FREQ
DEVIATION (50KHz)
1.8MHz
HI-FI AUDIO PACK C.B.A. (VEP04285B)
CCA INPUT LEVEL (dB)
-80 -60 -40 -20 0
-20 -40 -60 -80
RECORDING (COMPRESSION)
STANDARD LEVEL (0dB)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL (dB)
MIX
LINE AMP
MUT
OUTPUT MATRIX
DECODER
L CH AUDIO
R CH AUDIO
Q4502
Q4503
AUDIO OUT(L)
I/O PACK 28
AUDIO OUT(R)
I/O PACK 30
0B:NV-F75EB)
IC4501 (BA7705K1) (OUTPUT SELECTOR)
NORMAL AUDIO
PACK 9
MODE SELECT Ⓛ
PACK 6
FROM SYSTEM CONTROL
MIX Ⓗ
PACK 4
FROM SERVO
L CH Ⓛ
PACK 23
QR4103
R CH Ⓛ
PACK 24
QR4104
TO LEVEL METER
AUDIO MUT Ⓗ
PACK 8
FROM SYSTEM CONTROL
IC551 (BA7740FS)
P4002 2
P551 2
REC AMP
D.FM REC Ⓛ
FROM SYSTEM CONTROL
P551 3
(P.B:ON)
P4002 4
P551 4
20dB AMP
SW
RF PRE. AMP
P4002 6
P551 6
P502 9
P502 8
P502 10
1.4MHz 1.8MHz
L AZIMUTH HEAD
R AZIMUTH HEAD
SMALL RF OUTPUT
PRE-AMP OUT
DISCONTINUOUS PHASE AT DC OFFSET PORTION
AUDIO H.SW (25 Hz)
HEAD AMP C.B.A.(VEP05134B)
AUDIO HEAD-R (33μm)
AUDIO HEAD-L (33μm)
H.SW (25Hz) TP2001
60°
AUDIO H.SW (25Hz) IC4501-35
TIMING OF H.SW AND AUDIO H.SW
IC4102 (AN3912)
F.F
TRIG PLS
M.M
H.SW
FROM SERVO
VR4510
REG 5V
A.H.SW

INPUT			TURNED SWITCH
INPUT SEL (A) ②	INPUT SEL (B) ㉓	MIC (H) ㉑	
L	L	L	S1
H	L	L	S0
L	H	L	S0
H	H	L	S2
—	—	H	S3

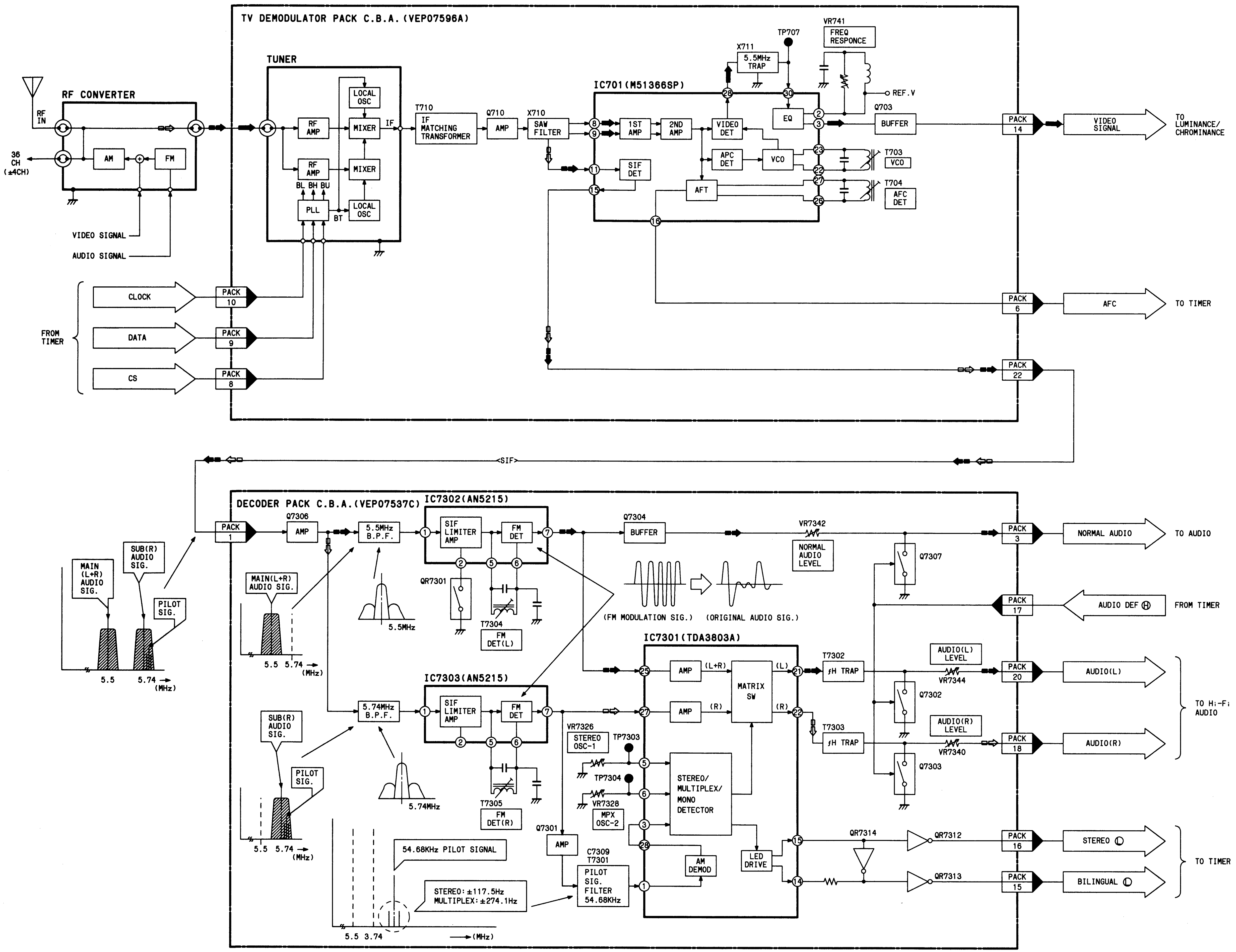
INPUT SEL (A) ⑰	INPUT SEL (B) ⑮	MIC ①	AUDIO OUT ⑩
L	L	L	TUNER
H	H OR L	H OR L	AUDIO (L) & AUDIO (R)
H OR L	H	H OR L	
H OR L	H OR L	H	

MODE	28PIN
REC (HSL : ON)	H
REC (HSL : OFF)	M
PB	L

MODE	IC4501 - 72	AUDIO OUT			MODE DISPLAY	
		LINE:L	LINE:R	MIX	L	R
STEREO	SWITCH AT EVERY FALLING EDGE ST-L-R-N	HIFI:L	HIFI:R	HIFI:L+R	ON	ON
LEFT		HIFI:L	HIFI:L	HIFI:L	ON	OFF
RIGHT		HIFI:R	HIFI:R	HIFI:R	OFF	ON
NORMAL		NORMAL	NORMAL	NORMAL	OFF	OFF

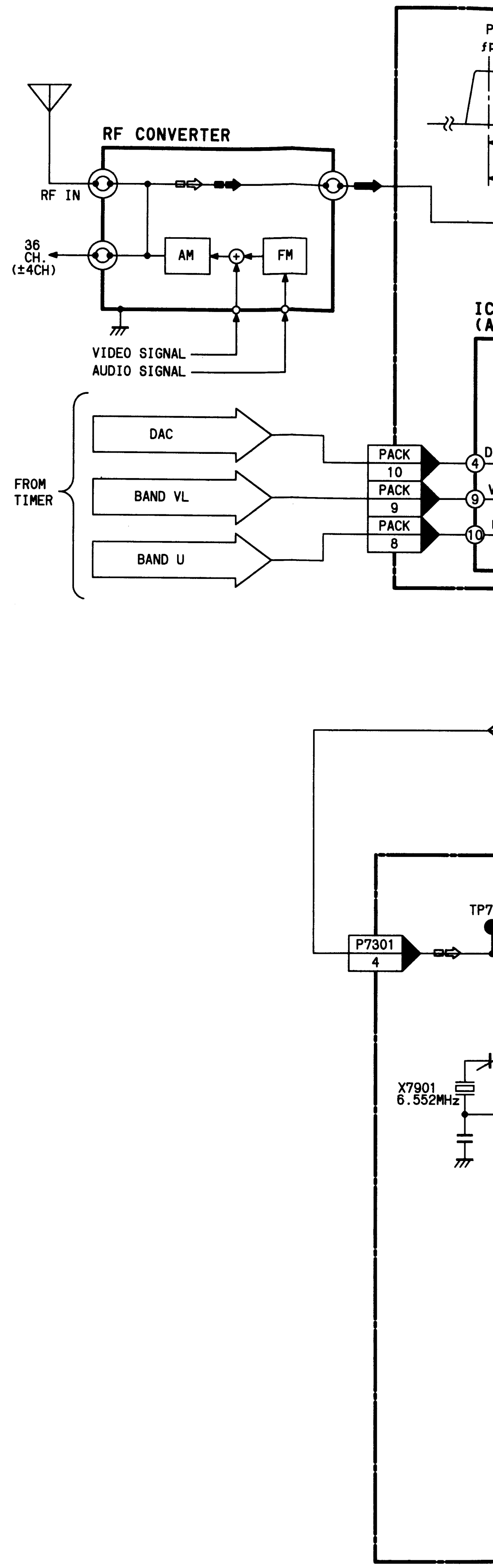
3-5. TV DEMODULATOR & DECODER BLOCK DIAGRAM (NV-F75EG)

■ AUDIO MAIN SIGNAL PATH
□ AUDIO SAB SIGNAL PATH
■ VIDEO SIGNAL PATH



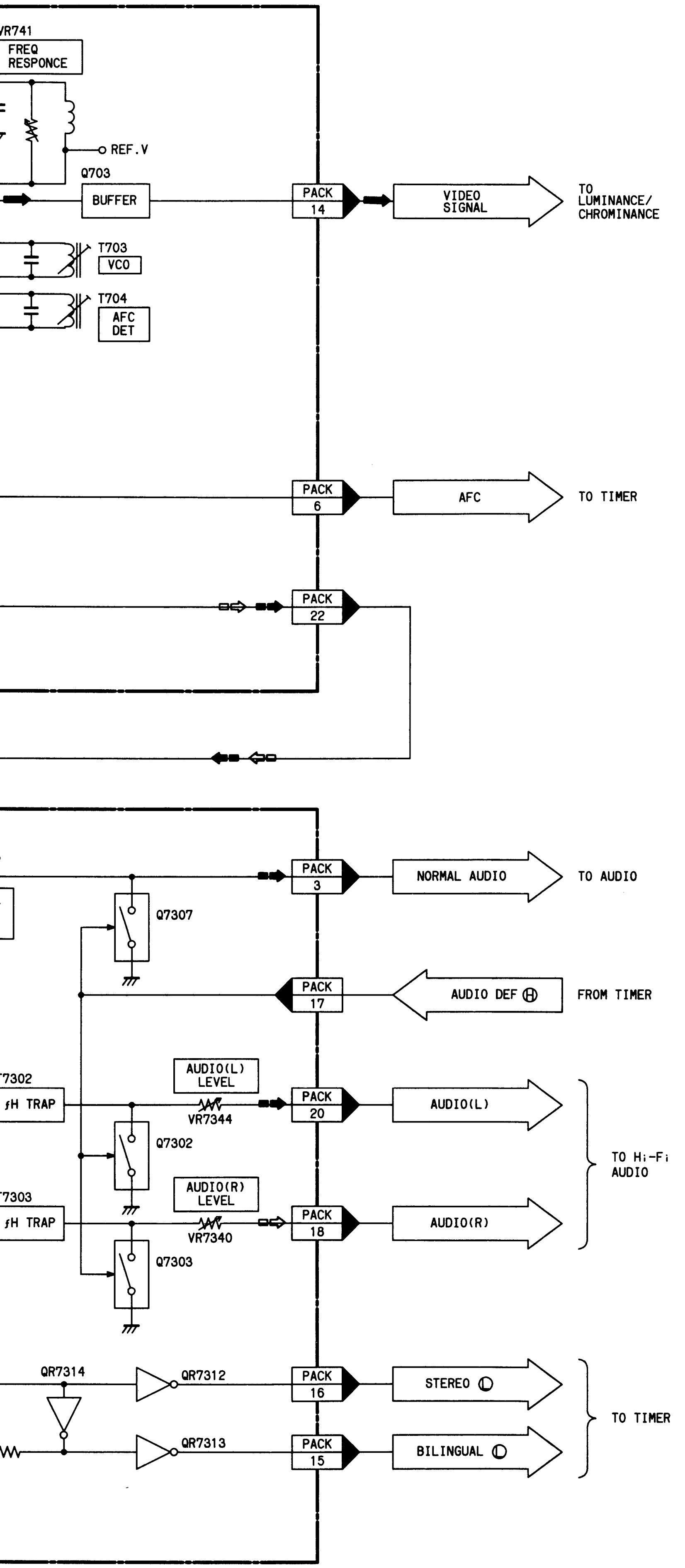
TV DEMODULATOR PACK C.B.A. (VEP07596A)
RF CONVERTER
RF IN
36 CH (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
TUNER
RF AMP
MIXER
LOCAL OSC
PLL
BL BH BU
BT
IF
T710
IF MATCHING TRANSFORMER
Q710
AMP
X710
SAW FILTER
IC701 (M51366SP)
1ST AMP
2ND AMP
VIDEO DET
SIF DET
APC DET
VCO
AFT
EQ
X711
5.5MHz TRAP
TP707
VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
T703
VCO
T704
AFC DET
PACK 14
VIDEO SIGNAL
TO LUMINANCE/CHROMINANCE
PACK 6
AFC
TO TIMER
PACK 22
FROM TIMER
CLOCK
DATA
CS
PACK 10
PACK 9
PACK 8
SIF
DECODER PACK C.B.A. (VEP07537C)
PACK 1
Q7306
AMP
5.5MHz B.P.F.
5.74MHz B.P.F.
IC7302 (AN5215)
IC7303 (AN5215)
SIF LIMITER AMP
FM DET
QR7301
T7304
FM DET(L)
T7305
FM DET(R)
5.5MHz
5.74MHz
MAIN (L+R) AUDIO SIG.
SUB(R) AUDIO SIG.
PILOT SIG.
MAIN(L+R) AUDIO SIG.
5.5
5.74
(MHz)
Q7304
BUFFER
VR7342
NORMAL AUDIO LEVEL
(FM MODULATION SIG.)
(ORIGINAL AUDIO SIG.)
PACK 3
NORMAL AUDIO
TO AUDIO
Q7307
PACK 17
AUDIO DEF Ⓗ
FROM TIMER
IC7301 (TDA3803A)
AMP
(L+R)
(R)
(L)
MATRIX SW
STEREO/MULTIPLEX/MONO DETECTOR
AM DEMOD
LED DRIVE
T7302
ƒH TRAP
T7303
ƒH TRAP
AUDIO(L) LEVEL
VR7344
AUDIO(R) LEVEL
VR7340
Q7302
Q7303
PACK 20
AUDIO(L)
PACK 18
AUDIO(R)
TO Hi-Fi AUDIO
VR7326
STEREO OSC-1
TP7303
TP7304
VR7328
MPX OSC-2
Q7301
AMP
C7309
T7301
PILOT SIG. FILTER 54.68KHz
54.68KHz PILOT SIGNAL
STEREO: ±117.5Hz
MULTIPLEX: ±274.1Hz
5.5 3.74
QR7314
QR7312
QR7313
PACK 16
STEREO Ⓛ
PACK 15
BILINGUAL Ⓛ
TO TIMER

3-6. TV DEMODULATOR & NIC



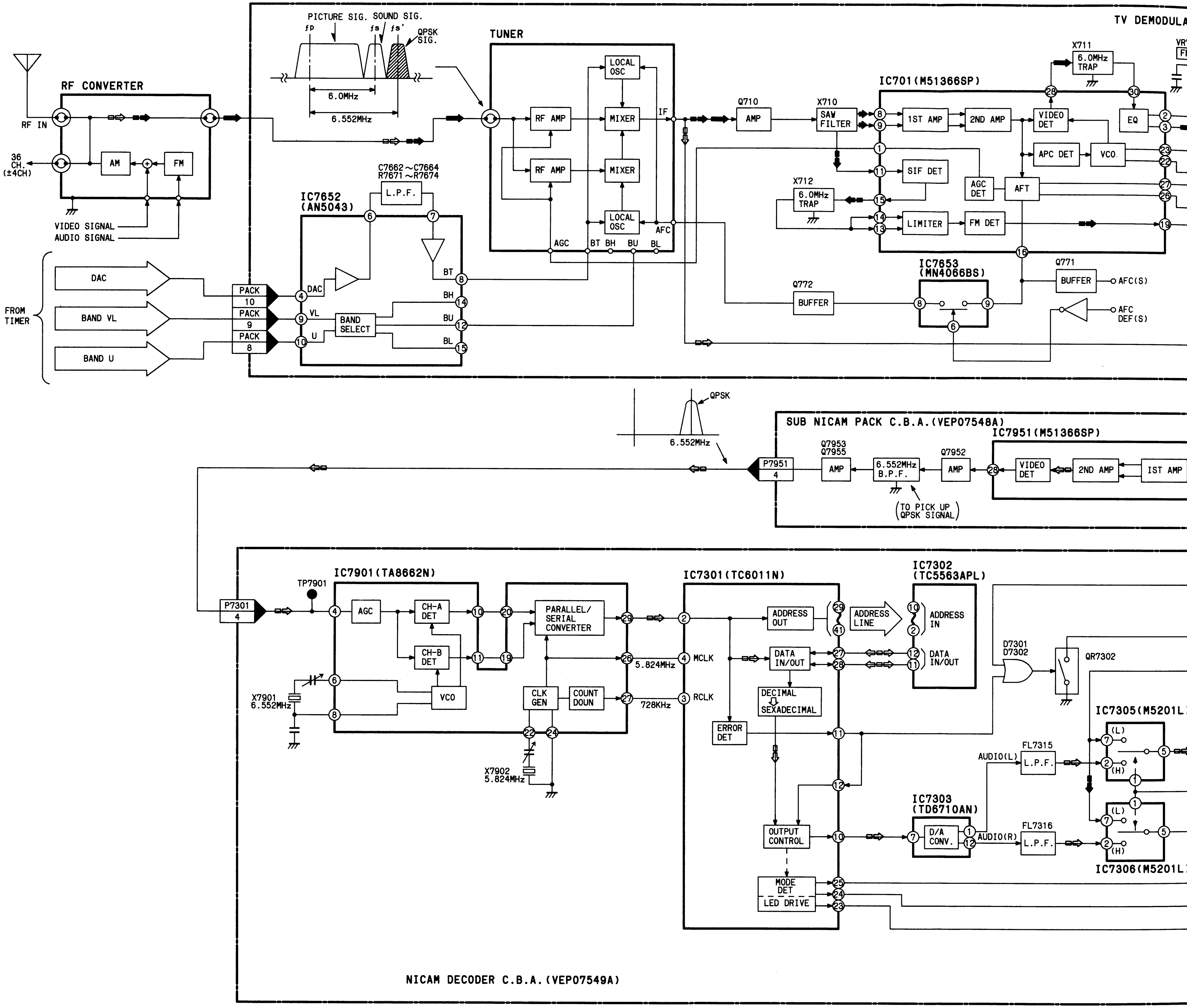
RF CONVERTER
RF IN
36 CH. (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
FROM TIMER
DAC
BAND VL
BAND U
PACK 10
PACK 9
PACK 8
P7301
X7901 6.552MHz

AIN SIGNAL PATH VIDEO SIGNAL PATH
AB SIGNAL PATH


VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
PACK 14
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
T703
VCO
T704
AFC DET
PACK 6
AFC
TO TIMER
PACK 22
PACK 3
NORMAL AUDIO
TO AUDIO
Q7307
PACK 17
AUDIO DEF Ⓗ
FROM TIMER
7302
fH TRAP
AUDIO(L) LEVEL
VR7344
Q7302
PACK 20
AUDIO(L)
TO Hi-Fi AUDIO
7303
fH TRAP
AUDIO(R) LEVEL
VR7340
Q7303
PACK 18
AUDIO(R)
QR7314
QR7312
PACK 16
STEREO Ⓛ
TO TIMER
QR7313
PACK 15
BILINGUAL Ⓛ

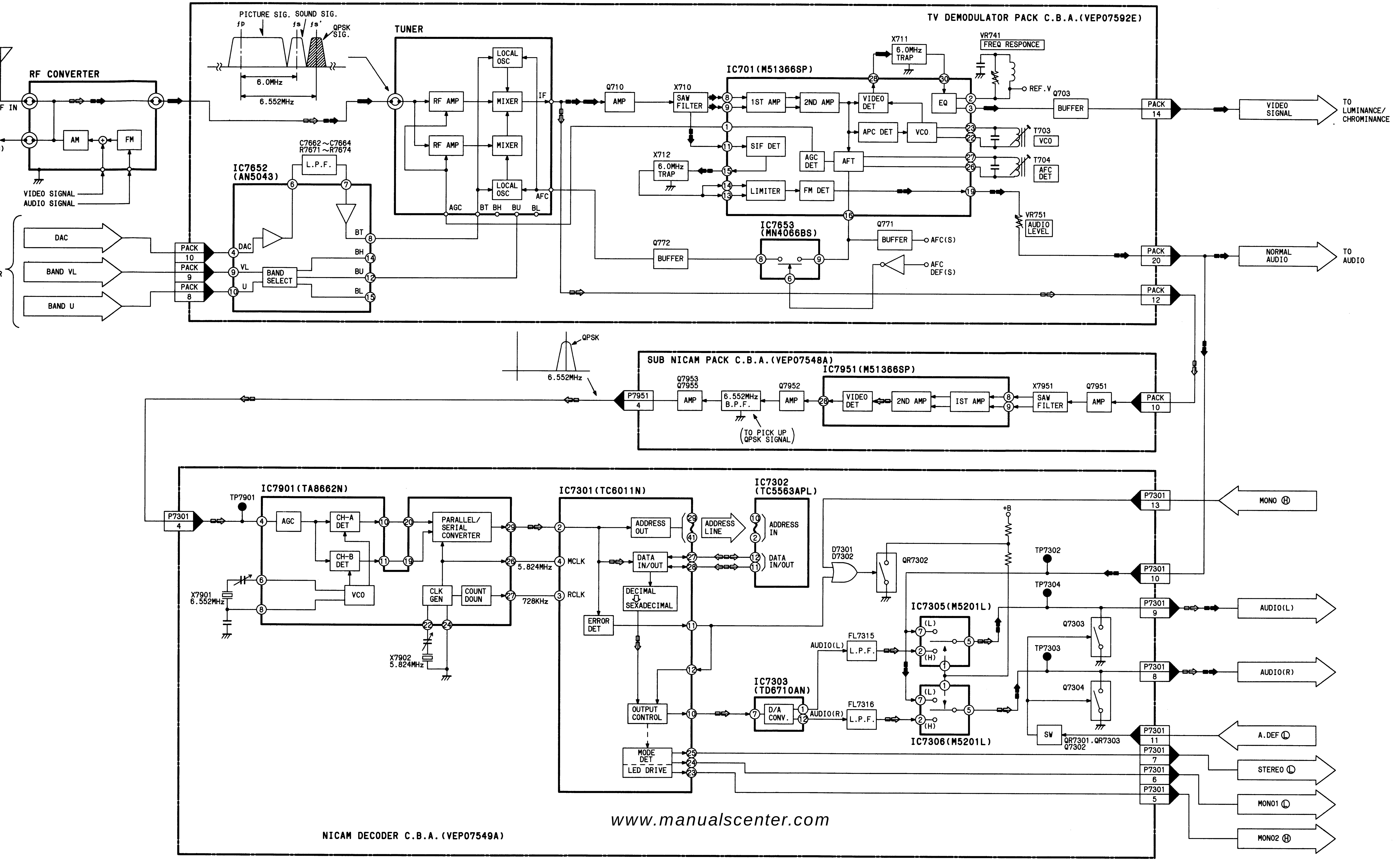
3-6. TV DEMODULATOR & NICAM DECODER BLOCK DIAGRAM (NV-F75B)

VIDEO SIGNAL PATH NORMAL A

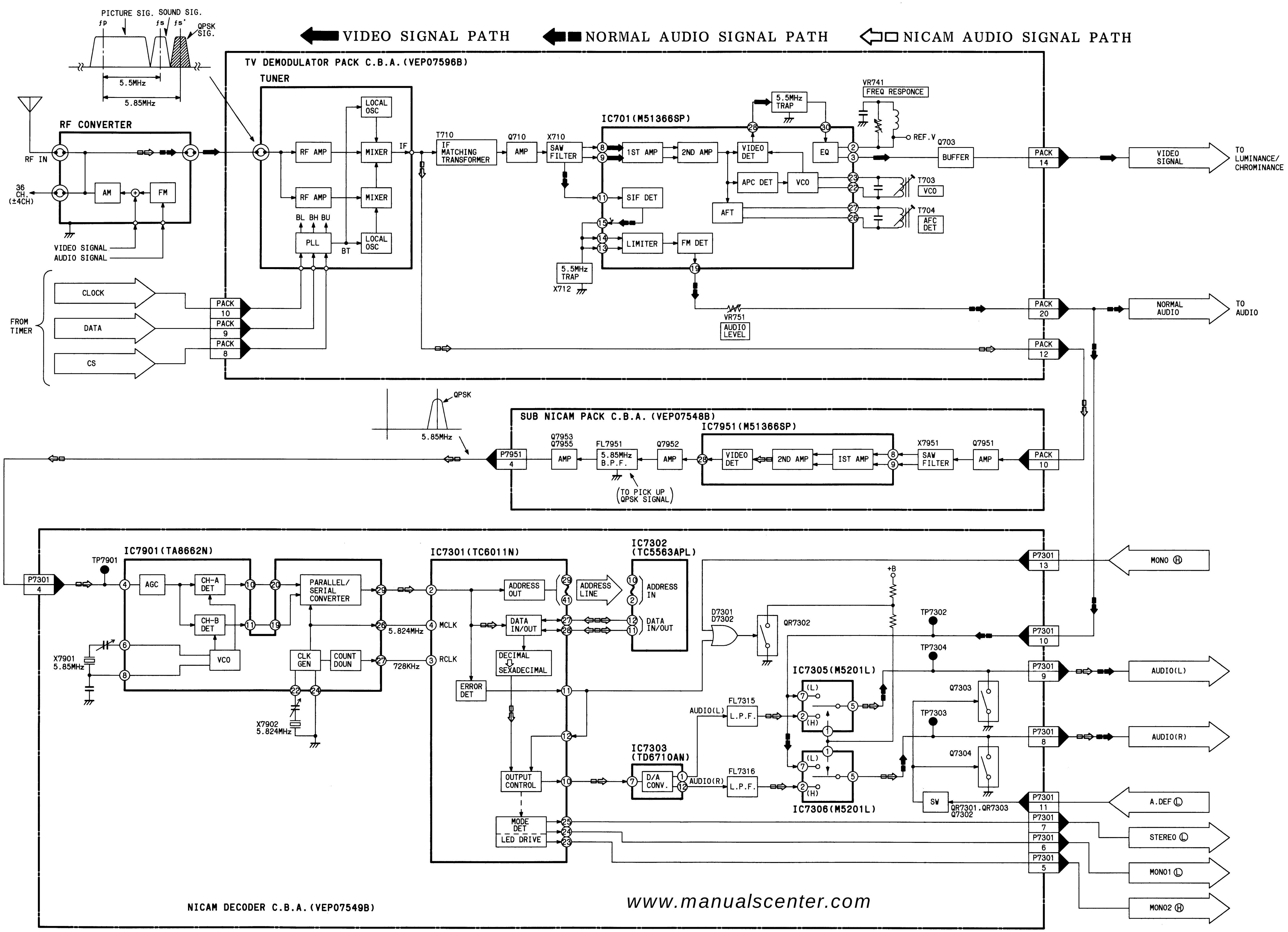

TV DEMODULA
PICTURE SIG.
SOUND SIG.
fP
fS
fS'
QPSK SIG.
6.0MHz
6.552MHz
TUNER
RF CONVERTER
RF IN
36 CH. (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
FROM TIMER
DAC
BAND VL
BAND U
PACK 10
PACK 9
PACK 8
IC7652 (AN5043)
C7662～C7664
R7671～R7674
L.P.F.
BAND SELECT
VL
U
BT
BH
BU
BL
RF AMP
MIXER
LOCAL OSC
IF
AGC
AFC
Q710
AMP
X710
SAW FILTER
IC701(M51366SP)
X711
6.0MHz TRAP
1ST AMP
2ND AMP
VIDEO DET
EQ
APC DET
VCO
X712
6.0MHz TRAP
SIF DET
AGC DET
AFT
LIMITER
FM DET
IC7653 (MN4066BS)
Q772
BUFFER
Q771
BUFFER
AFC(S)
AFC DEF(S)
VR
QPSK
6.552MHz
SUB NICAM PACK C.B.A.(VEP07548A)
IC7951(M51366SP)
P7951 4
Q7953
Q7955
AMP
6.552MHz B.P.F.
Q7952
AMP
VIDEO DET
2ND AMP
1ST AMP
(TO PICK UP QPSK SIGNAL)
P7301 4
TP7901
IC7901(TA8662N)
AGC
CH-A DET
CH-B DET
VCO
X7901 6.552MHz
PARALLEL/ SERIAL CONVERTER
CLK GEN
COUNT DOUN
X7902 5.824MHz
5.824MHz
728KHz
IC7301(TC6011N)
MCLK
RCLK
ADDRESS OUT
DATA IN/OUT
DECIMAL ⇩ SEXADECIMAL
ERROR DET
OUTPUT CONTROL
MODE DET
LED DRIVE
ADDRESS LINE
IC7302 (TC5563APL)
ADDRESS IN
DATA IN/OUT
D7301
D7302
QR7302
IC7305(M5201L)
IC7303 (TD6710AN)
D/A CONV.
AUDIO(L)
AUDIO(R)
FL7315
FL7316
L.P.F.
(L)
(H)
IC7306(M5201L)
NICAM DECODER C.B.A.(VEP07549A)

TV DEMODULATOR & NICAM DECODER BLOCK DIAGRAM (NV-F75B)

VIDEO SIGNAL PATH NORMAL AUDIO SIGNAL PATH NICAM AUDIO SIGNAL PATH

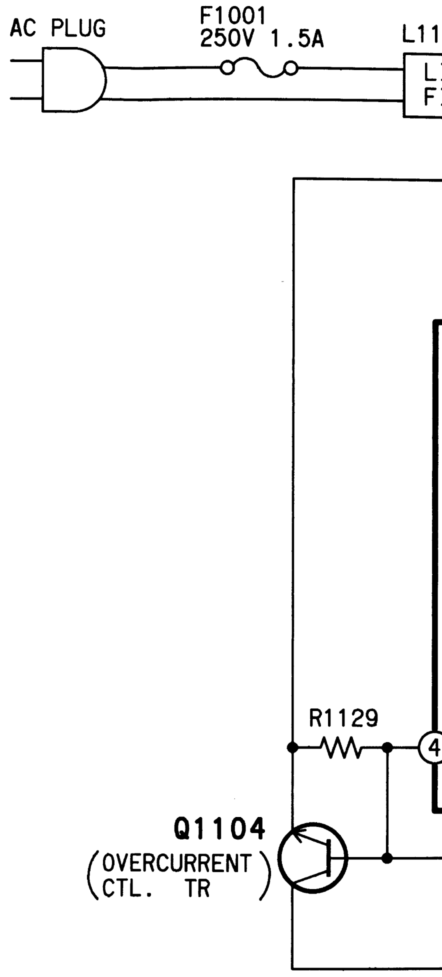

TV DEMODULATOR PACK C.B.A.(VEP07592E)
PICTURE SIG.
SOUND SIG.
fp
fs
fs'
QPSK SIG.
6.0MHz
6.552MHz
TUNER
RF CONVERTER
F IN
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
RF AMP
RF AMP
LOCAL OSC
MIXER
MIXER
LOCAL OSC
IF
AFC
AGC
BT
BH
BU
BL
C7662～C7664
R7671～R7674
L.P.F.
IC7652
(AN5043)
DAC
VL
U
BAND SELECT
BT
BH
BU
BL
DAC
BAND VL
BAND U
PACK 10
PACK 9
PACK 8
Q710
AMP
X710
SAW FILTER
IC701(M51366SP)
1ST AMP
2ND AMP
VIDEO DET
EQ
X711
6.0MHz TRAP
VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
SIF DET
AGC DET
AFT
APC DET
VCO
T703
VCO
T704
AFC DET
X712
6.0MHz TRAP
LIMITER
FM DET
VR751
AUDIO LEVEL
IC7653
(MN4066BS)
Q771
BUFFER
AFC(S)
AFC DEF(S)
Q772
BUFFER
PACK 14
PACK 20
PACK 12
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
NORMAL AUDIO
TO AUDIO
QPSK
6.552MHz
SUB NICAM PACK C.B.A.(VEP07548A)
IC7951(M51366SP)
P7951 4
Q7953
Q7955
AMP
6.552MHz B.P.F.
(TO PICK UP QPSK SIGNAL)
Q7952
AMP
VIDEO DET
2ND AMP
IST AMP
X7951
SAW FILTER
Q7951
AMP
PACK 10
NICAM DECODER C.B.A.(VEP07549A)
P7301 4
TP7901
IC7901(TA8662N)
AGC
CH-A DET
CH-B DET
VCO
PARALLEL/ SERIAL CONVERTER
CLK GEN
COUNT DOUN
X7901 6.552MHz
X7902 5.824MHz
5.824MHz
728KHz
IC7301(TC6011N)
MCLK
RCLK
ADDRESS OUT
DATA IN/OUT
DECIMAL ⇩ SEXADECIMAL
ERROR DET
OUTPUT CONTROL
MODE DET
LED DRIVE
ADDRESS LINE
IC7302
(TC5563APL)
ADDRESS IN
DATA IN/OUT
IC7303
(TD6710AN)
D/A CONV.
AUDIO(L)
AUDIO(R)
FL7315
L.P.F.
FL7316
L.P.F.
D7301
D7302
QR7302
+B
TP7302
TP7304
TP7303
IC7305(M5201L)
IC7306(M5201L)
(L)
(H)
Q7303
Q7304
SW
QR7301, QR7303
Q7302
P7301 13
P7301 10
P7301 9
P7301 8
P7301 11
P7301 7
P7301 6
P7301 5
MONO Ⓗ
AUDIO(L)
AUDIO(R)
A.DEF Ⓛ
STEREO Ⓛ
MONO1 Ⓛ
MONO2 Ⓗ

3-7. TV DEMODULATOR & NICAM DECODER BLOCK DIAGRAM (NV-F75EB)

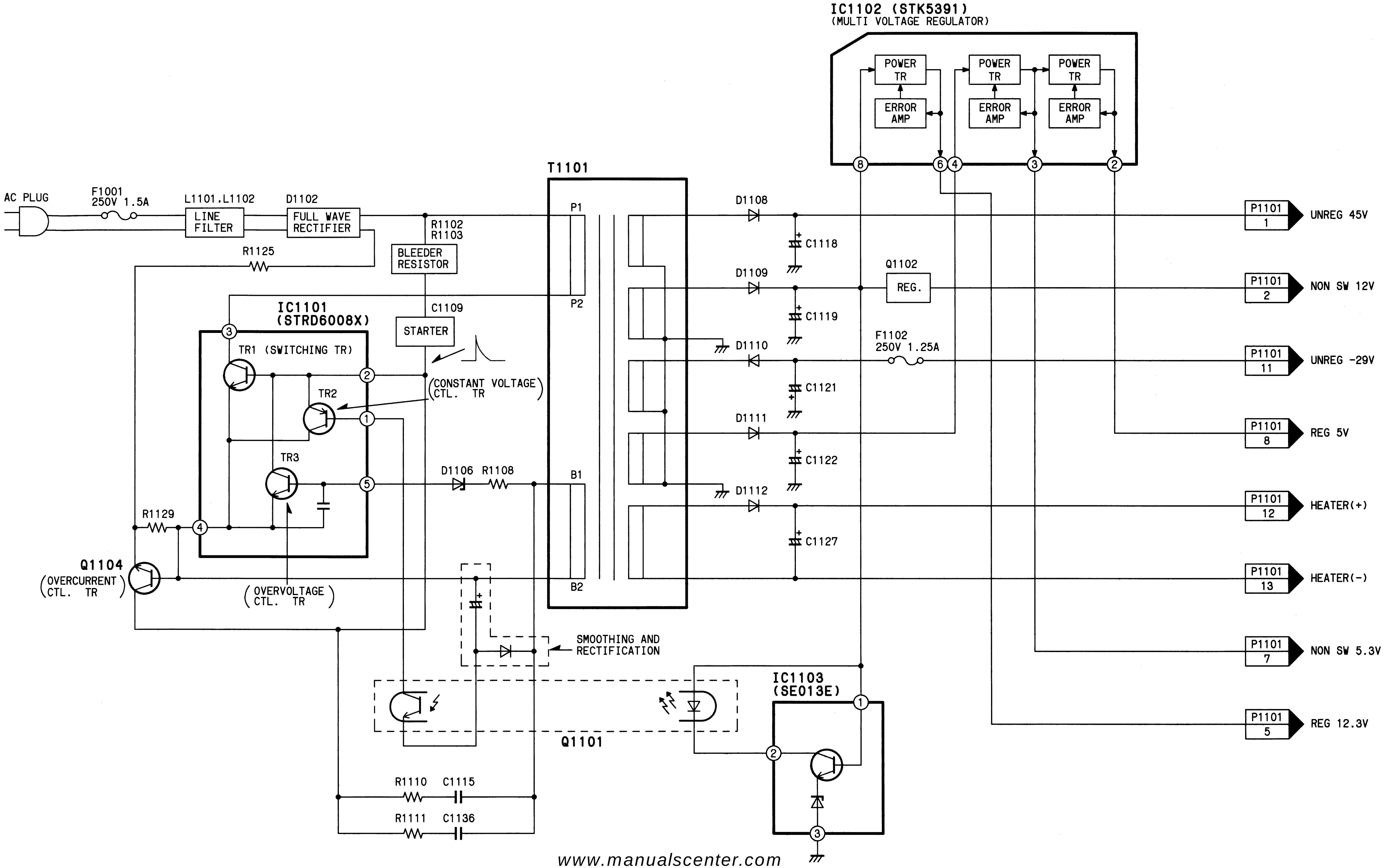

PICTURE SIG.
SOUND SIG.
fP
fs
fs'
QPSK SIG.
5.5MHz
5.85MHz
VIDEO SIGNAL PATH
NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
TV DEMODULATOR PACK C.B.A. (VEP07596B)
TUNER
RF CONVERTER
RF IN
36 CH. (±4CH)
AM
FM
VIDEO SIGNAL
AUDIO SIGNAL
RF AMP
MIXER
LOCAL OSC
PLL
BL BH BU
BT
IF
T710
IF MATCHING TRANSFORMER
Q710
AMP
X710
SAW FILTER
IC701 (M51366SP)
1ST AMP
2ND AMP
VIDEO DET
EQ
5.5MHz TRAP
VR741
FREQ RESPONCE
REF.V
Q703
BUFFER
APC DET
VCO
T703
VCO
T704
AFC DET
AFT
SIF DET
LIMITER
FM DET
5.5MHz TRAP
X712
VR751
AUDIO LEVEL
PACK 14
PACK 20
PACK 12
PACK 10
PACK 9
PACK 8
VIDEO SIGNAL
TO LUMINANCE/ CHROMINANCE
NORMAL AUDIO
TO AUDIO
FROM TIMER
CLOCK
DATA
CS
QPSK
5.85MHz
SUB NICAM PACK C.B.A. (VEP07548B)
IC7951 (M51366SP)
P7951 4
Q7953 Q7955
AMP
FL7951
5.85MHz B.P.F.
Q7952
AMP
VIDEO DET
2ND AMP
IST AMP
X7951
SAW FILTER
Q7951
AMP
PACK 10
TO PICK UP QPSK SIGNAL
P7301 4
TP7901
IC7901 (TA8662N)
AGC
CH-A DET
CH-B DET
VCO
PARALLEL/ SERIAL CONVERTER
CLK GEN
COUNT DOUN
X7901 5.85MHz
X7902 5.824MHz
5.824MHz
728KHz
IC7301 (TC6011N)
MCLK
RCLK
ADDRESS OUT
DATA IN/OUT
DECIMAL ⇩ SEXADECIMAL
ERROR DET
OUTPUT CONTROL
MODE DET
LED DRIVE
ADDRESS LINE
IC7302 (TC5563APL)
ADDRESS IN
DATA IN/OUT
D7301 D7302
QR7302
+B
TP7302
TP7304
IC7305 (M5201L)
(L)
(H)
FL7315
AUDIO(L)
L.P.F.
IC7303 (TD6710AN)
D/A CONV.
AUDIO(R)
FL7316
L.P.F.
IC7306 (M5201L)
Q7303
TP7303
Q7304
SW
QR7301, QR7303 Q7302
P7301 13
P7301 10
P7301 9
P7301 8
P7301 11
P7301 7
P7301 6
P7301 5
MONO Ⓗ
AUDIO(L)
AUDIO(R)
A.DEF Ⓛ
STEREO Ⓛ
MONO1 Ⓛ
MONO2 Ⓗ
NICAM DECODER C.B.A. (VEP07549B)

Back Page:
TV DEMODULATOR Section

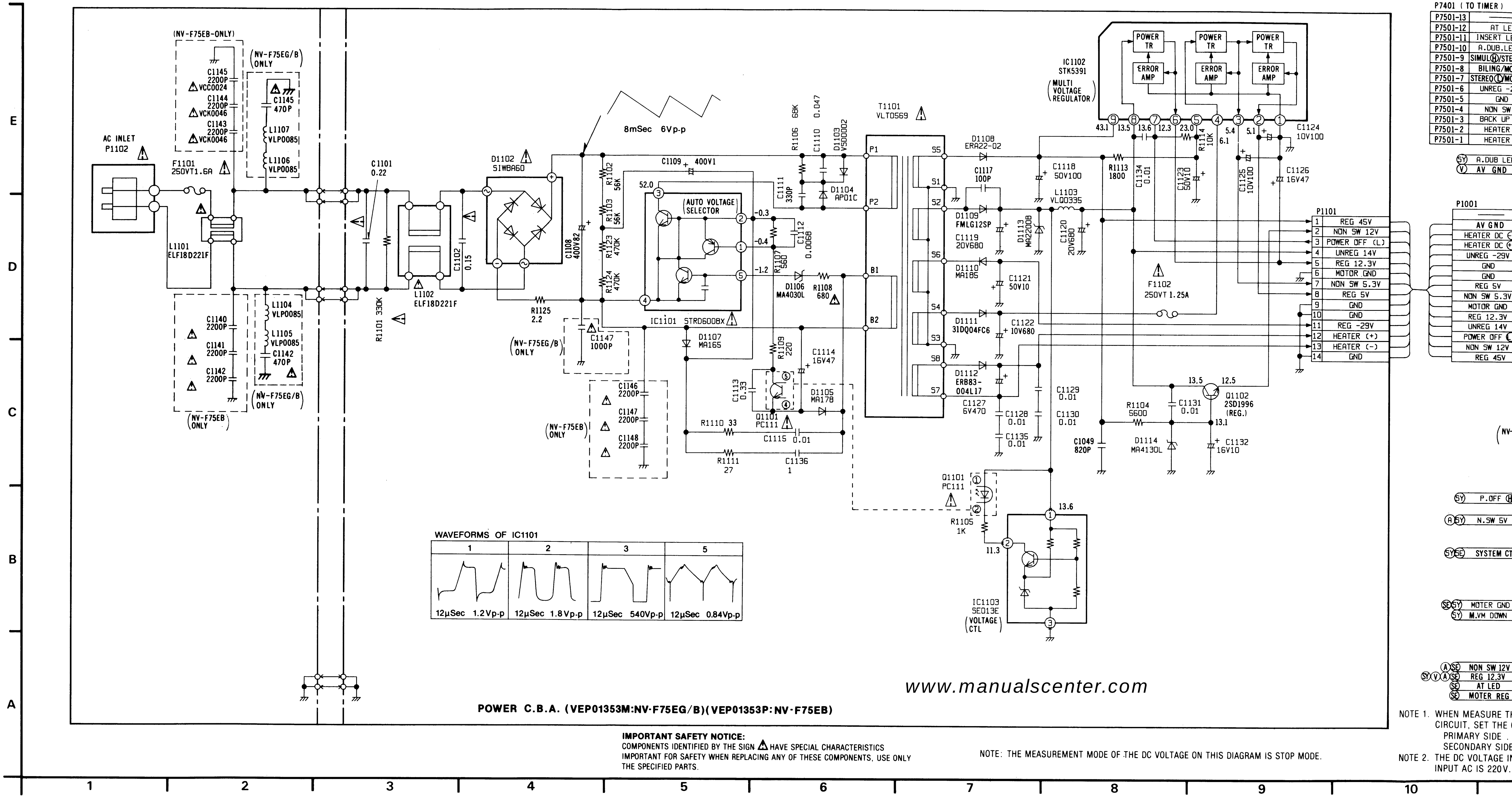
3-8. POWER BLOCK DIA


AC PLUG
F1001
250V 1.5A
L11
R1129
Q1104
(OVERCURRENT CTL. TR)

3-8. POWER BLOCK DIAGRAM


IC1102 (STK5391)
(MULTI VOLTAGE REGULATOR)
POWER TR
ERROR AMP
POWER TR
ERROR AMP
POWER TR
ERROR AMP
8
6
4
3
2
T1101
AC PLUG
F1001
250V 1.5A
L1101,L1102
LINE FILTER
D1102
FULL WAVE RECTIFIER
R1102
R1103
BLEEDER RESISTOR
R1125
P1
P2
B1
B2
C1109
STARTER
IC1101
(STRD6008X)
TR1 (SWITCHING TR)
TR2
TR3
(CONSTANT VOLTAGE CTL. TR)
3
2
1
5
4
R1129
Q1104
(OVERCURRENT CTL. TR)
(OVERVOLTAGE CTL. TR)
D1106
R1108
SMOOTHING AND RECTIFICATION
D1108
C1118
D1109
C1119
Q1102
REG.
D1110
C1121
F1102
250V 1.25A
D1111
C1122
D1112
C1127
P1101 1
UNREG 45V
P1101 2
NON SW 12V
P1101 11
UNREG -29V
P1101 8
REG 5V
P1101 12
HEATER(+)
P1101 13
HEATER(-)
P1101 7
NON SW 5.3V
P1101 5
REG 12.3V
Q1101
IC1103
(SE013E)
1
2
3
R1110
C1115
R1111
C1136

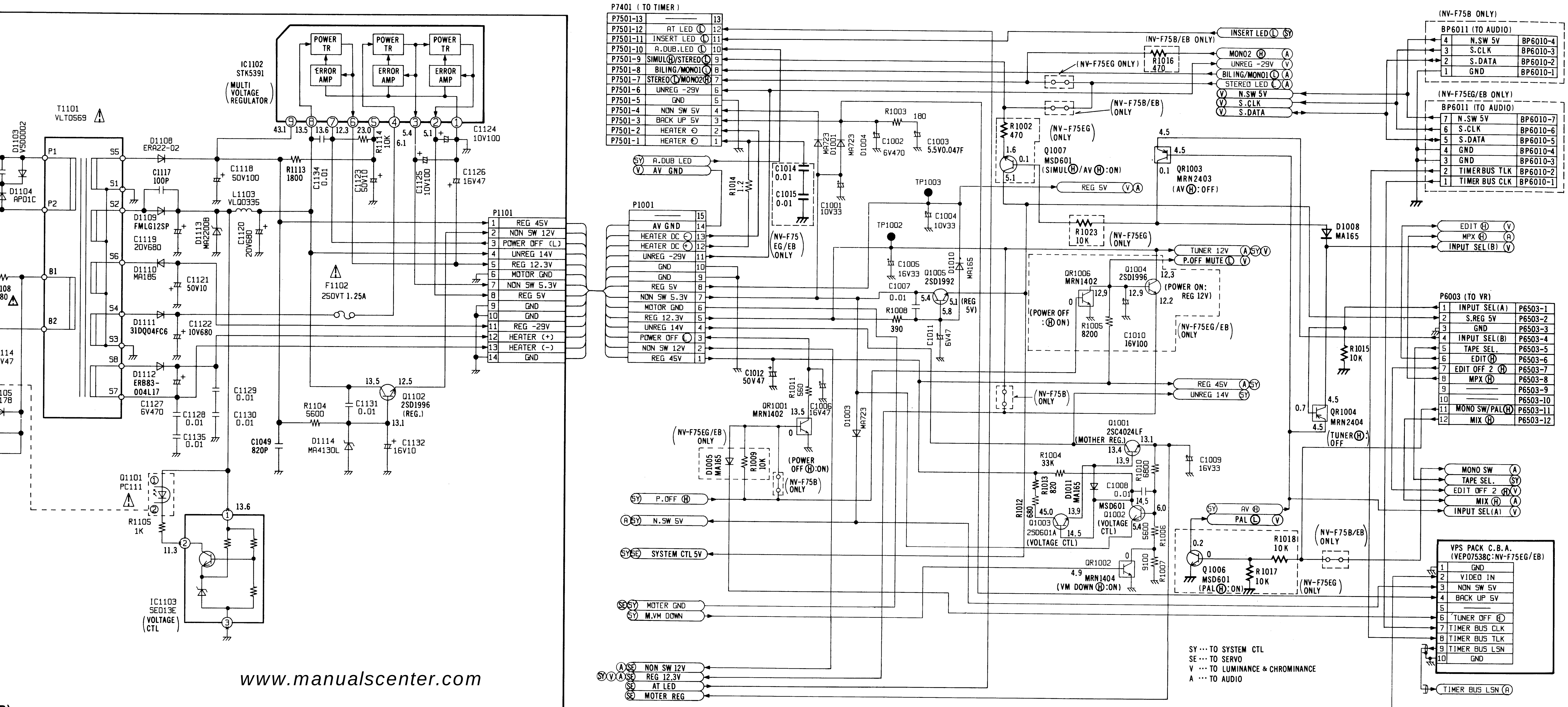
3-9. POWER SCHEMATIC DIAGRAM


AC INLET
P1102
F1101
250VT1.6A
L1101
ELF18D221F
(NV-F75EB-ONLY)
C1145
2200P
VCC0024
C1144
2200P
VCK0046
C1143
2200P
VCK0046
(NV-F75EG/B)
ONLY
C1145
470P
L1107
VLP0085
L1106
VLP0085
C1140
2200P
C1141
2200P
C1142
2200P
(NV-F75EB)
ONLY
L1104
VLP0085
L1105
VLP0085
C1142
470P
(NV-F75EG/B)
ONLY
C1101
0.22
R1101 330K
L1102
ELF18D221F
C1102
0.15
D1102
S1WBA60
8mSec 6Vp-p
C1108
400V82
R1125
2.2
(NV-F75EG/B)
ONLY
C1147
1000P
(NV-F75EB)
ONLY
C1146
2200P
C1147
2200P
C1148
2200P
R1102
56K
R1103
56K
R1123
470K
R1124
470K
C1109 400V1
52.0
AUTO VOLTAGE
SELECTOR
-0.3
-0.4
-1.2
IC1101 STRD6008X
D1107
MA165
C1112
0.0068
R1107
560
D1106
MA4030L
R1108
680
R1109
220
C1114
16V47
C1113
0.33
Q1101
PC111
D1105
MA178
R1110 33
C1115 0.01
R1111
27
C1136
1
R1106 68K
C1110 0.047
D1103
V500002
C1111
330P
D1104
AP01C
T1101
VLT0569
P1
P2
B1
B2
S5
S1
S2
S6
S4
S3
S8
S7
D1108
ERA22-02
C1117
100P
D1109
FMLG12SP
C1119
20V680
D1113
MA22008
D1110
MA185
C1121
50V10
D1111
31DQ04FC6
C1122
10V680
D1112
ERB83-004L17
C1127
6V470
C1128
0.01
C1135
0.01
C1129
0.01
C1130
0.01
C1118
50V100
L1103
VL00335
C1120
20V680
R1113
1800
C1134
0.01
C1123
50V10
R1114
10K
C1125
10V100
C1126
16V47
C1124
10V100
IC1102
STK5391
MULTI
VOLTAGE
REGULATOR
POWER TR
ERROR AMP
43.1
13.5
13.6
12.3
23.0
5.4
6.1
5.1
F1102
250VT 1.25A
13.5
12.5
Q1102
2SD1996
(REG.)
13.1
R1104
5600
C1131
0.01
C1049
820P
D1114
MA4130L
C1132
16V10
Q1101
PC111
R1105
1K
13.6
11.3
IC1103
SE013E
VOLTAGE
CTL
P1101
1 REG 45V
2 NON SW 12V
3 POWER OFF (L)
4 UNREG 14V
5 REG 12.3V
6 MOTOR GND
7 NON SW 5.3V
8 REG 5V
9 GND
10 GND
11 REG -29V
12 HEATER (+)
13 HEATER (-)
14 GND
P1001
AV GND
HEATER DC
HEATER DC
UNREG -29V
GND
GND
REG 5V
NON SW 5.3V
MOTOR GND
REG 12.3V
UNREG 14V
POWER OFF
NON SW 12V
REG 45V
P7401 (TO TIMER)
P7501-13
P7501-12 AT LE
P7501-11 INSERT L
P7501-10 A.DUB.L
P7501-9 SIMUL/STE
P7501-8 BILING/M
P7501-7 STEREO/M
P7501-6 UNREG -
P7501-5 GND
P7501-4 NON SW
P7501-3 BACK UP
P7501-2 HEATER
P7501-1 HEATER
A.DUB LE
AV GND
P.OFF
N.SW 5V
SYSTEM CT
MOTER GND
M.VM DOWN
NON SW 12V
REG 12.3V
AT LED
MOTER REG
WAVEFORMS OF IC1101
1
2
3
5
12μSec 1.2Vp-p
12μSec 1.8Vp-p
12μSec 540Vp-p
12μSec 0.84Vp-p
POWER C.B.A. (VEP01353M:NV-F75EG/B)(VEP01353P:NV-F75EB)
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE 1. WHEN MEASURE TH
CIRCUIT, SET THE
PRIMARY SIDE .
SECONDARY SIDE
NOTE 2. THE DC VOLTAGE I
INPUT AC IS 220V.


T1101 VLT0569
IC1102 STK5391 (MULTI VOLTAGE REGULATOR)
POWER TR
ERROR AMP
D1108 ERA22-02
D1109 FMLG12SP
D1110 MA185
D1111 31DQ04FC6
D1112 ERB83-004L17
D1113 MA2200B
D1104 AP01C
D1103 V5D0002
L1103 VLQ0335
F1102 250VT 1.25A
R1113 1800
R1114 10K
R1104 5600
R1105 1K
D1114 MA4130L
Q1102 2SD1996 (REG.)
Q1101 PC111
IC1103 SE013E (VOLTAGE CTL)
C1117 100P
C1118 50V100
C1119 20V680
C1120 20V680
C1121 50V10
C1122 10V680
C1124 10V100
C1126 16V47
C1127 6V470
C1128 0.01
C1129 0.01
C1130 0.01
C1131 0.01
C1132 16V10
C1134 0.01
C1135 0.01
C1049 820P
P1101
1 REG 45V
2 NON SW 12V
3 POWER OFF (L)
4 UNREG 14V
5 REG 12.3V
6 MOTOR GND
7 NON SW 5.3V
8 REG 5V
9 GND
10 GND
11 REG -29V
12 HEATER (+)
13 HEATER (-)
14 GND
P7401 (TO TIMER)
P7501-13 13
P7501-12 AT LED Ⓛ 12
P7501-11 INSERT LED Ⓛ 11
P7501-10 A.DUB.LED Ⓛ 10
P7501-9 SIMUL Ⓗ/STEREO Ⓛ 9
P7501-8 BILING/MONO1 Ⓛ 8
P7501-7 STEREO Ⓛ/MONO2 Ⓗ 7
P7501-6 UNREG -29V 6
P7501-5 GND 5
P7501-4 NON SW 5V 4
P7501-3 BACK UP 5V 3
P7501-2 HEATER ⊖ 2
P7501-1 HEATER ⊕ 1
P1001
15
AV GND 14
HEATER DC ⊖ 13
HEATER DC ⊕ 12
UNREG -29V 11
GND 10
GND 9
REG 5V 8
NON SW 5.3V 7
MOTOR GND 6
REG 12.3V 5
UNREG 14V 4
POWER OFF Ⓛ 3
NON SW 12V 2
REG 45V 1
A.DUB LED
AV GND
Q1001 2SC4024LF (MOTHER REG.)
Q1002 MSD601 (VOLTAGE CTL)
Q1003 2SD601A (VOLTAGE CTL)
Q1004 2SD1996
Q1005 2SD1992
Q1006 MSD601 (PAL Ⓗ:ON)
Q1007 MSD601 (SIMUL Ⓗ/AV Ⓗ:ON)
QR1001 MRN1402 (POWER OFF Ⓗ:ON)
QR1002 MRN1404 (VM DOWN Ⓗ:ON)
QR1003 MRN2403 (AV Ⓗ:OFF)
QR1004 MRN2404 (TUNER Ⓗ:OFF)
QR1006 MRN1402 (POWER OFF:Ⓗ ON)
TP1002
TP1003
D1008 MA165
(NV-F75B ONLY)
BP6011 (TO AUDIO)
4 N.SW 5V BP6010-4
3 S.CLK BP6010-3
2 S.DATA BP6010-2
1 GND BP6010-1
(NV-F75EG/EB ONLY)
BP6011 (TO AUDIO)
7 N.SW 5V BP6010-7
6 S.CLK BP6010-6
5 S.DATA BP6010-5
4 GND BP6010-4
3 GND BP6010-3
2 TIMERBUS TLK BP6010-2
1 TIMER BUS CLK BP6010-1
P6003 (TO VR)
1 INPUT SEL(A) P6503-1
2 S.REG 5V P6503-2
3 GND P6503-3
4 INPUT SEL(B) P6503-4
5 TAPE SEL. P6503-5
6 EDIT Ⓗ P6503-6
7 EDIT OFF 2 Ⓗ P6503-7
8 MPX Ⓗ P6503-8
9 P6503-9
10 P6503-10
11 MONO SW/PAL Ⓗ P6503-11
12 MIX Ⓗ P6503-12
VPS PACK C.B.A. (VEP07538C:NV-F75EG/EB)
1 GND
2 VIDEO IN
3 NON SW 5V
4 BACK UP 5V
5
6 TUNER OFF Ⓗ
7 TIMER BUS CLK
8 TIMER BUS TLK
9 TIMER BUS LSN
10 GND
INSERT LED Ⓛ
MONO2 Ⓗ
UNREG -29V
BILING/MONO1 Ⓛ
STEREO LED Ⓛ
N.SW 5V
S.CLK
S.DATA
REG 5V
EDIT Ⓗ
MPX Ⓗ
INPUT SEL(B)
TUNER 12V
P.OFF MUTE Ⓛ
REG 45V
UNREG 14V
MONO SW
TAPE SEL.
EDIT OFF 2 Ⓗ
MIX Ⓗ
INPUT SEL(A)
AV Ⓗ
PAL Ⓛ
P.OFF Ⓗ
N.SW 5V
SYSTEM CTL 5V
MOTER GND
M.VM DOWN
NON SW 12V
REG 12.3V
AT LED
MOTER REG
TIMER BUS LSN
VIDEO IN
SY ··· TO SYSTEM CTL
SE ··· TO SERVO
V ··· TO LUMINANCE & CHROMINANCE
A ··· TO AUDIO
B)

CHARACTERISTICS
COMPONENTS, USE ONLY

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... IC1101-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 220V.

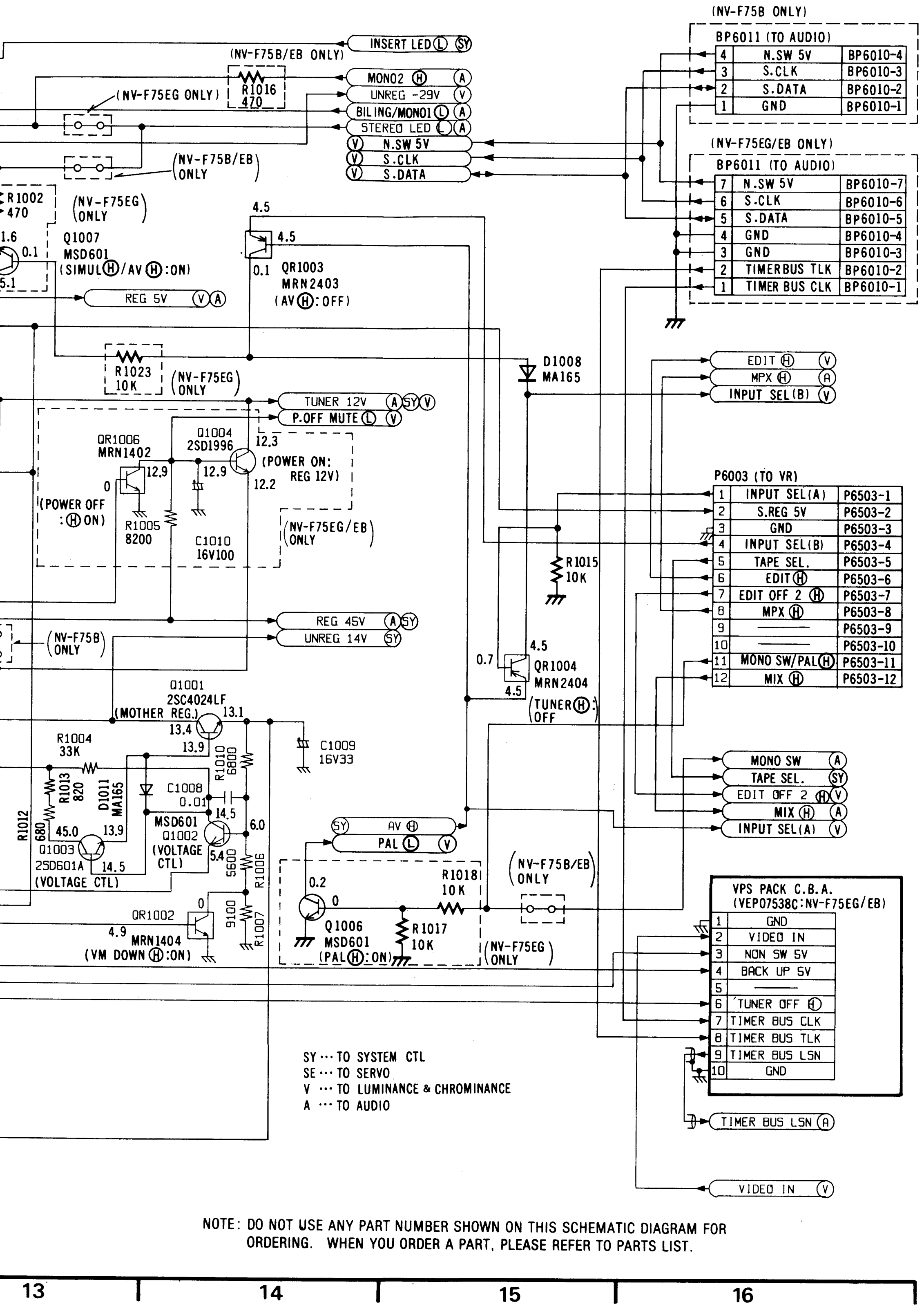
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

6 7 8 9 10 11 12 13 14 15 16

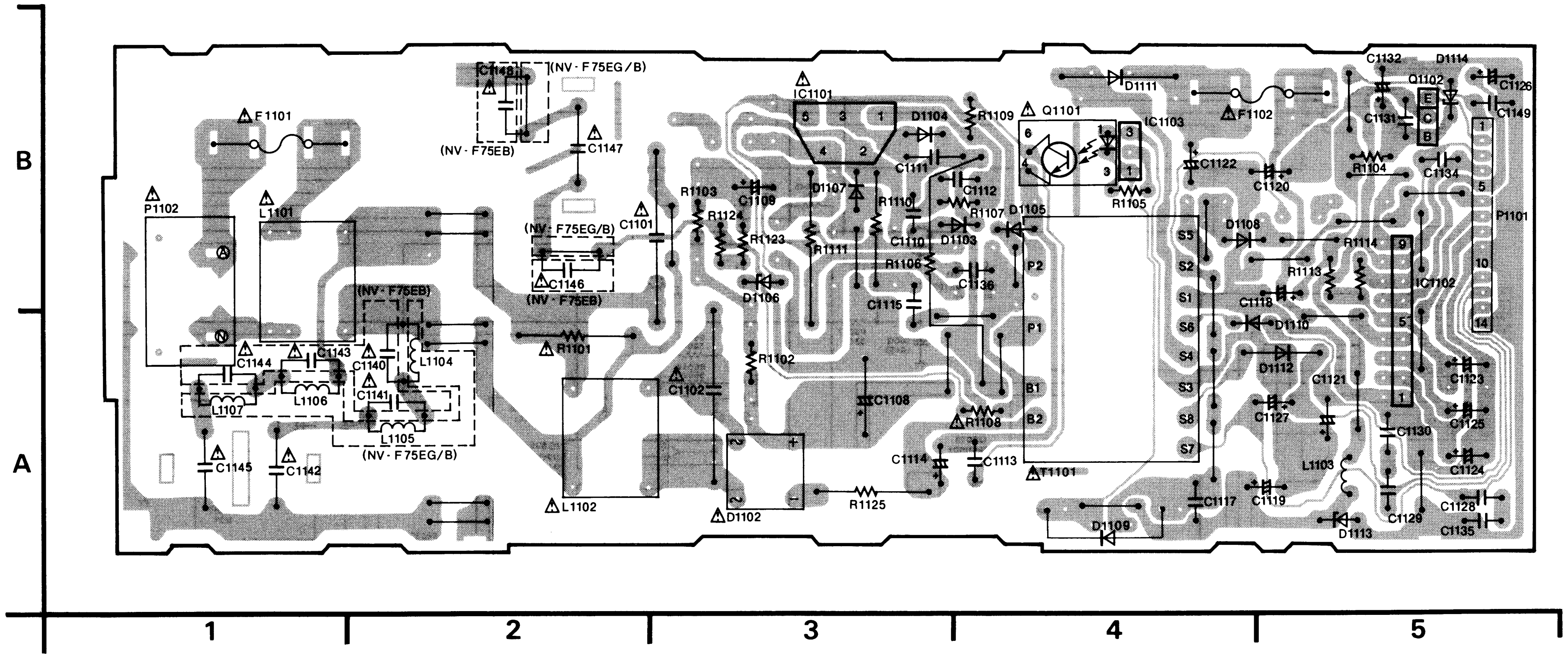
3-10. POWER C.B.A. (VEP01353M: NV-F75EG/B) (VEP01353P: NV-F75EB)

POWER C.B.A.	
Transistor	
Q1101	B-4
Q1102	B-5
Integrated Circuit	
IC1101	B-3
IC1102	B-5
IC1103	B-4
Connector	
P1101	B-5
P1102	B-1

ADDRESS INFORMATION

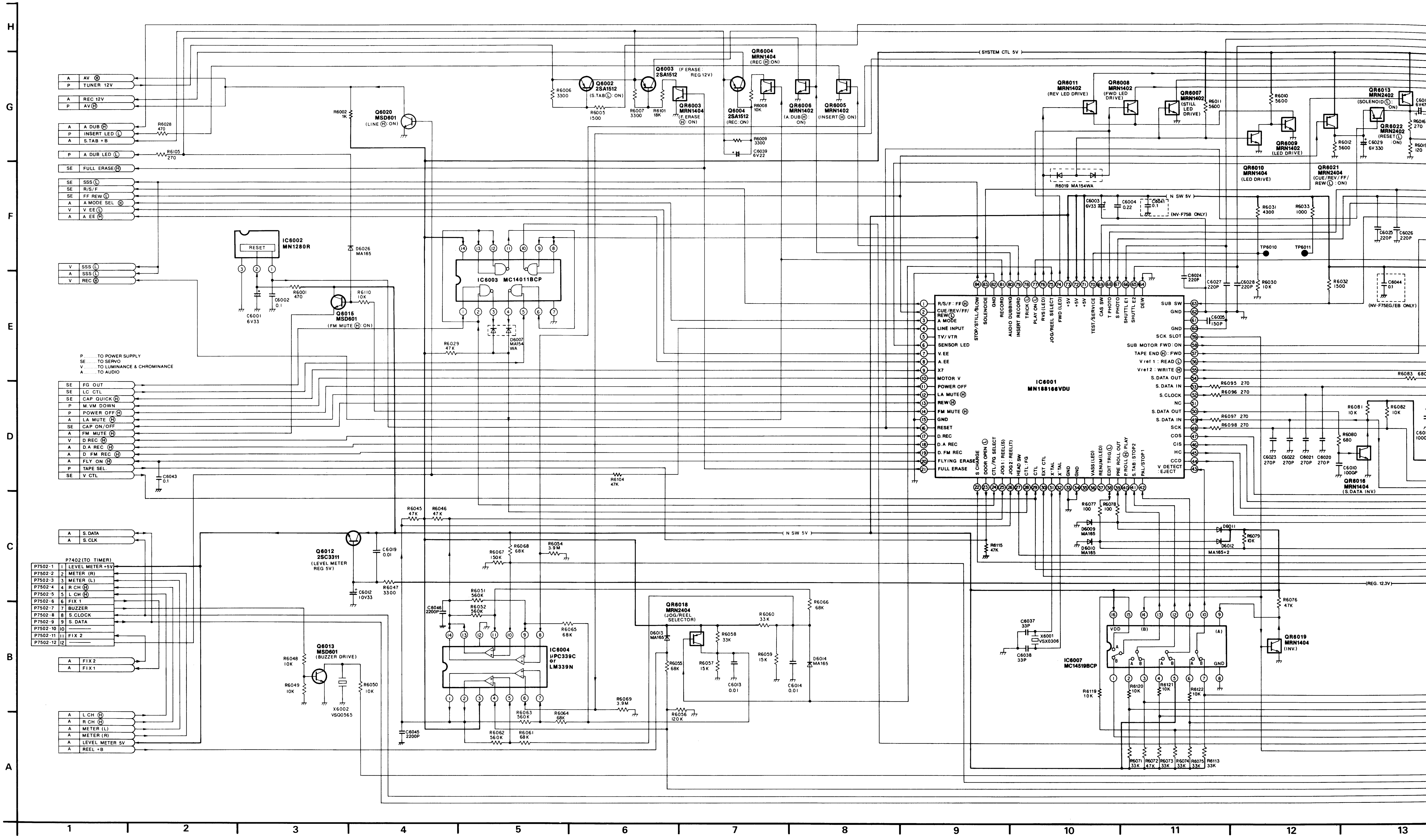

(NV-F75B ONLY)
BP6011 (TO AUDIO)
N.SW 5V
S.CLK
S.DATA
GND
BP6010-4
BP6010-3
BP6010-2
BP6010-1
(NV-F75EG/EB ONLY)
TIMERBUS TLK
TIMER BUS CLK
INSERT LED
(NV-F75B/EB ONLY)
R1016 470
(NV-F75EG ONLY)
MONO2
UNREG -29V
BILING/MONO1
STEREO LED
R1002 470
Q1007 MSD601 (SIMUL H/AV H:ON)
QR1003 MRN2403 (AV H:OFF)
REG 5V
R1023 10K
D1008 MA165
EDIT
MPX
INPUT SEL(B)
TUNER 12V
P.OFF MUTE
QR1006 MRN1402
Q1004 2SD1996
(POWER ON: REG 12V)
(POWER OFF :H ON)
R1005 8200
C1010 16V100
P6003 (TO VR)
INPUT SEL(A)
S.REG 5V
TAPE SEL.
EDIT OFF 2
MONO SW/PAL
MIX
R1015 10K
REG 45V
UNREG 14V
QR1004 MRN2404 (TUNER H: OFF)
Q1001 2SC4024LF (MOTHER REG.)
C1009 16V33
R1004 33K
R1013 820
D1011 MA165
C1008
Q1002 MSD601 (VOLTAGE CTL)
Q1003 2SD601A (VOLTAGE CTL)
R1012 680
R1010 6800
R1006 5600
R1007 9100
QR1002 MRN1404 (VM DOWN H:ON)
AV
PAL
Q1006 MSD601 (PAL H:ON)
R1017 10K
R1018 10K
(NV-F75B/EB ONLY)
(NV-F75EG ONLY)
VPS PACK C.B.A. (VEP07538C: NV-F75EG/EB)
VIDEO IN
NON SW 5V
BACK UP 5V
TUNER OFF
TIMER BUS CLK
TIMER BUS TLK
TIMER BUS LSN
MONO SW
SY ··· TO SYSTEM CTL
SE ··· TO SERVO
V ··· TO LUMINANCE & CHROMINANCE
A ··· TO AUDIO
13
14
15
16

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

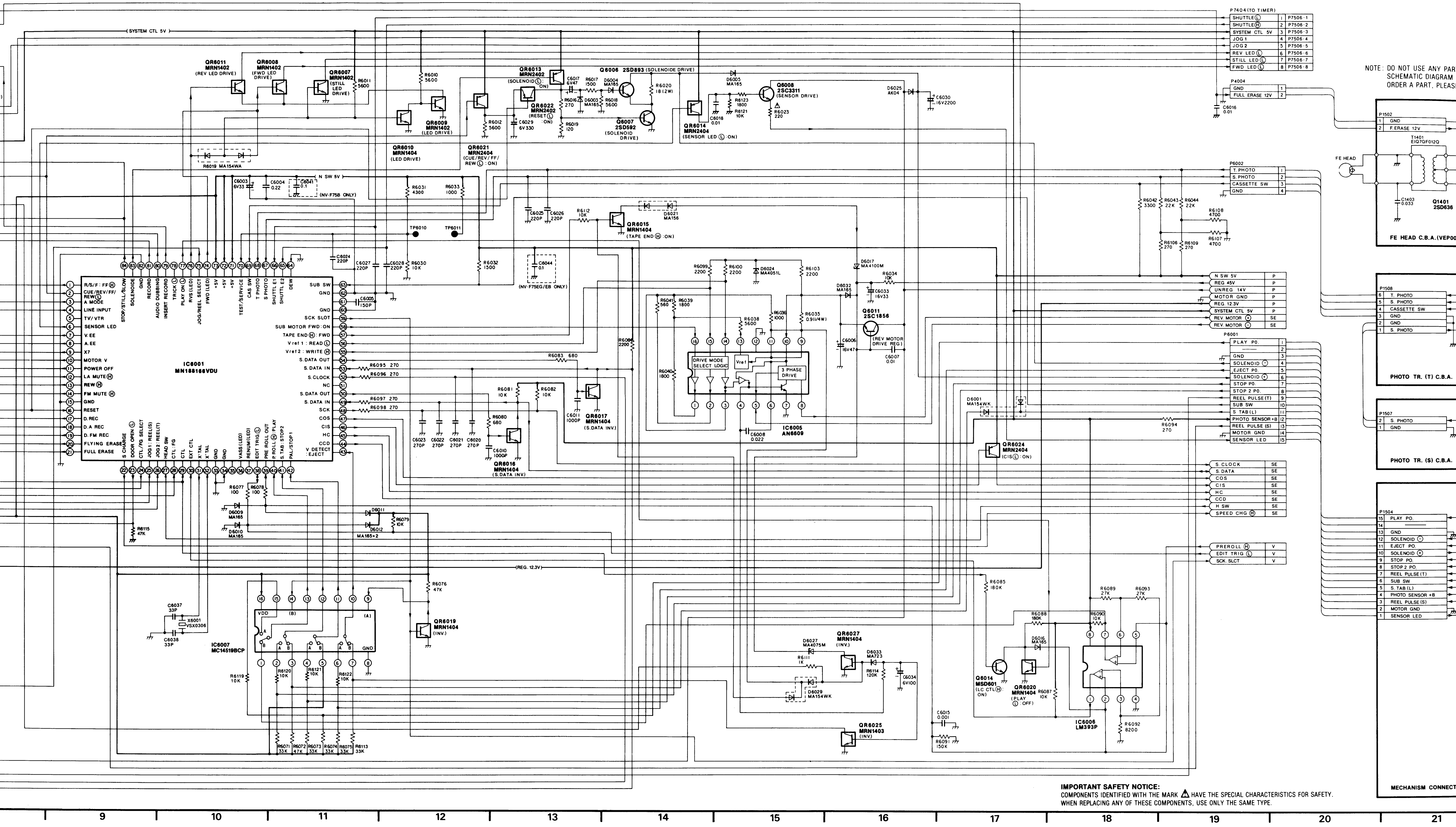

B
A
1
2
3
4
5
F1101
P1102
L1101
C1144
C1143
C1140
C1141
L1104
L1105
L1106
L1107
C1145
C1142
(NV-F75EB)
(NV-F75EG/B)
C1147
C1146
C1101
R1101
C1102
L1102
IC1101
R1103
R1124
R1123
R1111
D1106
D1107
R1110
D1104
R1109
Q1101
IC1103
F1102
C1108
R1108
D1102
R1125
C1114
C1113
T1101
R1102
D1111
D1114
Q1102
P1101
IC1102
R1104
R1105
R1106
R1107
R1113
R1114
D1108
D1109
D1110
D1112
D1113
C1120
C1122
C1126
C1149
C1134
C1118
C1121
C1123
C1125
C1127
C1124
C1130
C1128
C1129
C1135
L1103
C1117
C1119
C1115
C1136
C1110
C1111
C1112
D1103
D1105
C1109
C1131
C1132

Next Page:
SYSTEM CONTROL Section

3-11. SYSTEM CONTROL SCHEMATIC DIAGRAM


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
A AV Ⓗ
P TUNER 12V
A REC 12V
P AV Ⓗ
A A DUB Ⓗ
P INSERT LED Ⓛ
A S.TAB +B
P A DUB LED Ⓛ
SE FULL ERASE Ⓗ
SE SSS Ⓛ
SE R/S/F
SE FF REW Ⓛ
A A MODE SEL Ⓗ
V V EE Ⓛ
A A EE Ⓗ
V SSS Ⓛ
A SSS Ⓛ
V REC Ⓗ
P ......TO POWER SUPPLY
SE ......TO SERVO
V ......TO LUMINANCE & CHROMINANCE
A ......TO AUDIO
SE FG OUT
SE LC CTL
SE CAP QUICK Ⓗ
P M.VM DOWN
P POWER OFF Ⓗ
A LA MUTE Ⓗ
SE CAP ON/OFF
A FM MUTE Ⓗ
V D.REC Ⓗ
A D.A REC Ⓗ
A D. FM REC Ⓗ
A FLY ON Ⓗ
P TAPE SEL.
SE V. CTL
A S.DATA
A S.CLK
P7402 (TO TIMER)
P7502-1 1 LEVEL METER +5V
P7502-2 2 METER (R)
P7502-3 3 METER (L)
P7502-4 4 R CH Ⓗ
P7502-5 5 L CH Ⓗ
P7502-6 6 FIX 1
P7502-7 7 BUZZER
P7502-8 8 S.CLOCK
P7502-9 9 S. DATA
P7502-10 10
P7502-11 11 FIX 2
P7502-12 12
A FIX 2
A FIX 1
A L CH Ⓗ
A R CH Ⓗ
A METER (L)
A METER (R)
A LEVEL METER 5V
A REEL +B
IC6002 MN1280R
RESET
Q6020 MSD601 (LINE Ⓗ : ON)
Q6015 MSD601 (FM MUTE Ⓗ : ON)
D6026 MA165
IC6003 MC14011BCP
D6007 MA154WA
Q6002 2SA1512 (S.TAB Ⓛ : ON)
Q6003 2SA1512 (F ERASE REG 12V)
QR6003 MRN1404 (F.ERASE Ⓗ : ON)
QR6004 MRN1404 (REC Ⓗ : ON)
Q6004 2SA1512 (REC : ON)
QR6006 MRN1402 (A.DUB Ⓗ : ON)
QR6005 MRN1402 (INSERT Ⓗ : ON)
SYSTEM CTL 5V
QR6011 MRN1402 (REV LED DRIVE)
QR6008 MRN1402 (FWD LED DRIVE)
QR6007 MRN1402 (STILL LED DRIVE)
QR6010 MRN1404 (LED DRIVE)
QR6009 MRN1402 (LED DRIVE)
QR6021 MRN2404 (CUE/REV/FF/REW Ⓛ : ON)
QR6013 MRN2402 (SOLENOID Ⓛ : ON)
QR6022 MRN2402 (RESET Ⓛ : ON)
R6019 MA154WA
N SW 5V
(NV-F75B ONLY)
(NV-F75EG/EB ONLY)
TP6010
TP6011
IC6001 MN188166VDU
R/S/F : FF Ⓗ
CUE/REV/FF/REW Ⓛ
A MODE
LINE INPUT
SENSOR LED
TV/VTR
V. EE
A. EE
X7
MOTOR V
POWER OFF
LA MUTE Ⓗ
REW Ⓗ
FM MUTE Ⓗ
GND
RESET
D. REC
D.A REC
D. FM REC
FLYING ERASE
FULL ERASE
STOP/STILL/SLOW
SOLENOIDE
GND
RECORD
AUDIO DUBBING
INSERT RECORD
TRICK Ⓛ
PLAY ON Ⓛ
RVS (LED)
JOG/REEL SELECT
FWD (LED)
+5V
+5V
TEST/SERVICE
CAS SW
T PHOTO
S PHOTO
SHUTTLE E1
SHUTTLE E2
DEW
SUB SW
GND
GND
SCK SLOT
SUB MOTOR FWD : ON
TAPE END Ⓗ : FWD
Vref 1 : READ Ⓛ
Vref 2 : WRITE Ⓗ
S.DATA OUT
S.DATA IN
S.CLOCK
NC
S.DATA OUT
S.DATA IN
SCK
COS
CIS
HC
CCD
V DETECT : EJECT
S CHARGE
DOOR OPEN Ⓛ
CTL/FG SELECT
JOG 1 : REEL (S)
JOG 2 : REEL (T)
HEAD SW
CTL : FG
CTL
EXT CTL
X TAL
X TAL
GND
GND
VASS (LED)
REPLAY (LED)
EDIT TRIG Ⓛ
PRE ROLL OUT
P ROLL Ⓗ PLAY
S.TAB : STOP2
PAL/STOP1
QR6016 MRN1404 (S.DATA INV)
Q6012 2SC3311 (LEVEL METER REG 5V)
Q6013 MSD601 (BUZZER DRIVE)
X6002 VSQ0565
IC6004 μPC339C or LM339N
QR6018 MRN2404 (JOG/REEL SELECTOR)
D6013 MA165
D6014 MA165
D6009 MA165
D6010 MA165
D6011
D6012
MA165×2
X6001 VSX0306
IC6007 MC14519BCP
VDD
GND
QR6019 MRN1404 (INV.)
REG. 12.3V

NOTE: DO NOT USE ANY PAR
SCHEMATIC DIAGRAM
ORDER A PART, PLEAS


SYSTEM CTL 5V
QR6011 MRN1402 (REV LED DRIVE)
QR6008 MRN1402 (FWD LED DRIVE)
QR6007 MRN1402 (STILL LED DRIVE)
QR6009 MRN1402 (LED DRIVE)
QR6010 MRN1404 (LED DRIVE)
QR6021 MRN2404 (CUE/REV/FF/REW Ⓛ:ON)
QR6013 MRN2402 (SOLENOID Ⓛ:ON)
QR6022 MRN2402 (RESET Ⓛ:ON)
Q6006 2SD893 (SOLENOIDE DRIVE)
Q6007 2SD592 (SOLENOID DRIVE)
QR6014 MRN2404 (SENSOR LED Ⓛ:ON)
Q6008 2SC3311 (SENSOR DRIVE)
R6019 MA154WA
N SW 5V
(NV-F75B ONLY)
TP6010
TP6011
QR6015 MRN1404 (TAPE END Ⓗ:ON)
D6021 MA156
(NV-F75EG/EB ONLY)
IC6001 MN188166VDU
R/S/F: FF Ⓗ
CUE/REV/FF/REW Ⓛ
A MODE
LINE INPUT
TV/VTR
SENSOR LED
V.EE
A.EE
X7
MOTOR V
POWER OFF
LA MUTE Ⓗ
REW Ⓗ
FM MUTE Ⓗ
GND
RESET
D.REC
D.A REC
D.FM REC
FLYING ERASE
FULL ERASE
SUB SW
SCK SLOT
SUB MOTOR FWD:ON
TAPE END Ⓗ:FWD
Vref 1: READ Ⓛ
Vref 2: WRITE Ⓗ
S.DATA OUT
S.DATA IN
S.CLOCK
NC
COS
CIS
HC
CCD
V DETECT:EJECT
QR6017 MRN1404 (S.DATA INV.)
QR6016 MRN1404 (S.DATA INV.)
IC6005 AN6609
DRIVE MODE SELECT LOGIC
Vref
3 PHASE DRIVE
D6017 MA4100M
D6032 MA165
Q6011 2SC1856 (REV MOTOR DRIVE REG.)
D6025 AK04
P7404 (TO TIMER)
SHUTTLE Ⓛ
SHUTTLE Ⓗ
SYSTEM CTL 5V
JOG 1
JOG 2
REV LED Ⓛ
STILL LED Ⓛ
FWD LED Ⓛ
P7506-1 … P7506-8
P4004
GND
FULL ERASE 12V
P6002
T.PHOTO
S.PHOTO
CASSETTE SW
N SW 5V
REG 45V
UNREG 14V
MOTOR GND
REG 12.3V
SYSTEM CTL 5V
REV. MOTOR ⊕
REV. MOTOR ⊖
P6001
PLAY PO.
SOLENOID ⊖
EJECT PO.
SOLENOID ⊕
STOP PO.
STOP 2 PO.
REEL PULSE (T)
SUB SW
S.TAB (L)
PHOTO SENSOR +B
REEL PULSE (S)
MOTOR GND
SENSOR LED
D6001 MA154WK
QR6024 MRN2404 (CIS Ⓛ:ON)
S.CLOCK
S.DATA
COS
CIS
HC
CCD
H SW
SPEED CHG Ⓗ
PREROLL Ⓗ
EDIT TRIG Ⓛ
SCK SLCT
(REG. 12.3V)
IC6007 MC14519BCP
X6001 VSX0306
QR6019 MRN1404 (INV.)
D6011
D6012 MA165×2
D6009 MA165
D6010 MA165
QR6027 MRN1404 (INV.)
D6027 MA4075M
D6033 MA723
D6029 MA154WK
QR6025 MRN1403 (INV.)
Q6014 MSD601 (LC CTL Ⓗ ON)
QR6020 MRN1404 (PLAY Ⓛ:OFF)
D6016 MA165
IC6006 LM393P
FE HEAD
T1401 EIQ7QF012Q
Q1401 2SD636
P1502
F.ERASE 12V
FE HEAD C.B.A. (VEP0
P1508
PHOTO TR. (T) C.B.A.
P1507
PHOTO TR. (S) C.B.A.
P1504
MECHANISM CONNECT
9
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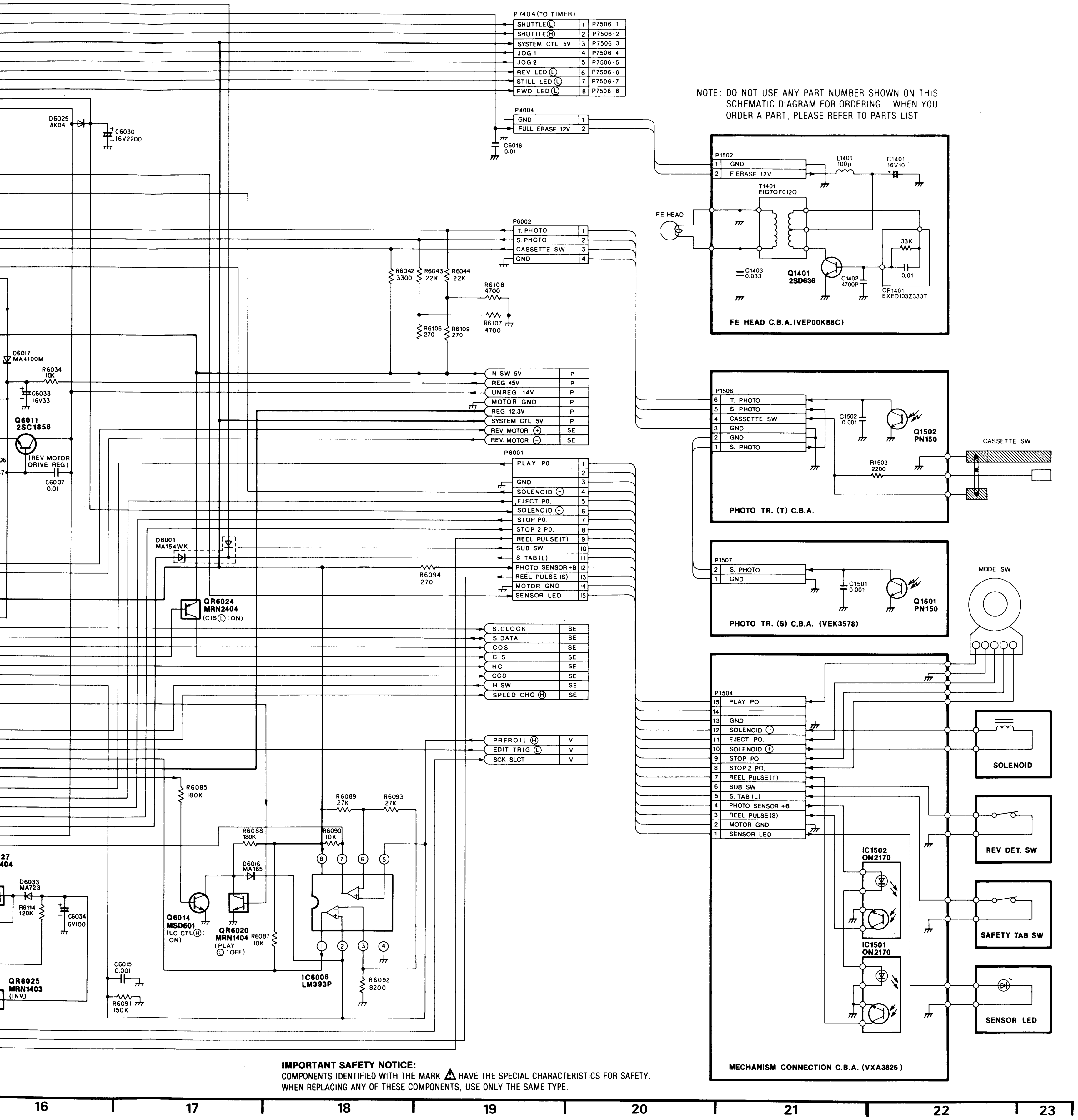
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


P7404 (TO TIMER)
SHUTTLE Ⓛ 1 P7506·1
SHUTTLE Ⓗ 2 P7506·2
SYSTEM CTL 5V 3 P7506·3
JOG 1 4 P7506·4
JOG 2 5 P7506·5
REV LED Ⓛ 6 P7506·6
STILL LED Ⓛ 7 P7506·7
FWD LED Ⓛ 8 P7506·8
P4004
GND 1
FULL ERASE 12V 2
C6016 0.01
D6025 AK04
C6030 16V2200
P6002
T. PHOTO 1
S. PHOTO 2
CASSETTE SW 3
GND 4
R6042 3300
R6043 22K
R6044 22K
R6108 4700
R6107 4700
R6106 270
R6109 270
D6017 MA4100M
R6034 10K
C6033 16V33
Q6011 2SC1856
(REV MOTOR DRIVE REG)
C6007 0.01
N SW 5V P
REG 45V P
UNREG 14V P
MOTOR GND P
REG. 12.3V P
SYSTEM CTL 5V P
REV. MOTOR ⊕ SE
REV. MOTOR ⊖ SE
P6001
PLAY PO. 1
2
GND 3
SOLENOID ⊖ 4
EJECT PO. 5
SOLENOID ⊕ 6
STOP PO. 7
STOP 2 PO. 8
REEL PULSE (T) 9
SUB SW 10
S TAB (L) 11
PHOTO SENSOR +B 12
REEL PULSE (S) 13
MOTOR GND 14
SENSOR LED 15
D6001 MA154WK
R6094 270
QR6024 MRN2404 (CIS Ⓛ : ON)
S.CLOCK SE
S.DATA SE
COS SE
CIS SE
HC SE
CCD SE
H SW SE
SPEED CHG Ⓗ SE
PREROLL Ⓗ V
EDIT TRIG Ⓛ V
SCK. SLCT V
R6085 180K
R6089 27K
R6093 27K
R6088 180K
R6090 10K
D6016 MA165
Q6014 MSD601 (LC CTL Ⓗ : ON)
QR6020 MRN1404 (PLAY Ⓛ : OFF)
R6087 10K
IC6006 LM393P
R6092 8200
C6015 0.001
R6091 150K
27
404
D6033 MA723
R6114 120K
C6034 6V100
QR6025 MRN1403 (INV.)
P1502
1 GND
2 F.ERASE 12V
L1401 100μ
C1401 16V10
T1401 EIQ7QF012Q
FE HEAD
33K
0.01
C1403 0.033
Q1401 2SD636
C1402 4700P
CR1401 EXED103Z333T
FE HEAD C.B.A. (VEP00K88C)
P1508
6 T. PHOTO
5 S. PHOTO
4 CASSETTE SW
3 GND
2 GND
1 S. PHOTO
C1502 0.001
Q1502 PN150
CASSETTE SW
R1503 2200
PHOTO TR. (T) C.B.A.
P1507
2 S. PHOTO
1 GND
C1501 0.001
Q1501 PN150
PHOTO TR. (S) C.B.A. (VEK3578)
MODE SW
P1504
15 PLAY PO.
14
13 GND
12 SOLENOID ⊖
11 EJECT PO.
10 SOLENOID ⊕
9 STOP PO.
8 STOP 2 PO.
7 REEL PULSE (T)
6 SUB SW
5 S. TAB (L)
4 PHOTO SENSOR +B
3 REEL PULSE (S)
2 MOTOR GND
1 SENSOR LED
SOLENOID
REV DET. SW
IC1502 ON2170
SAFETY TAB SW
IC1501 ON2170
SENSOR LED
MECHANISM CONNECTION C.B.A. (VXA3825)
16
17
18
19
20
21
22
23

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

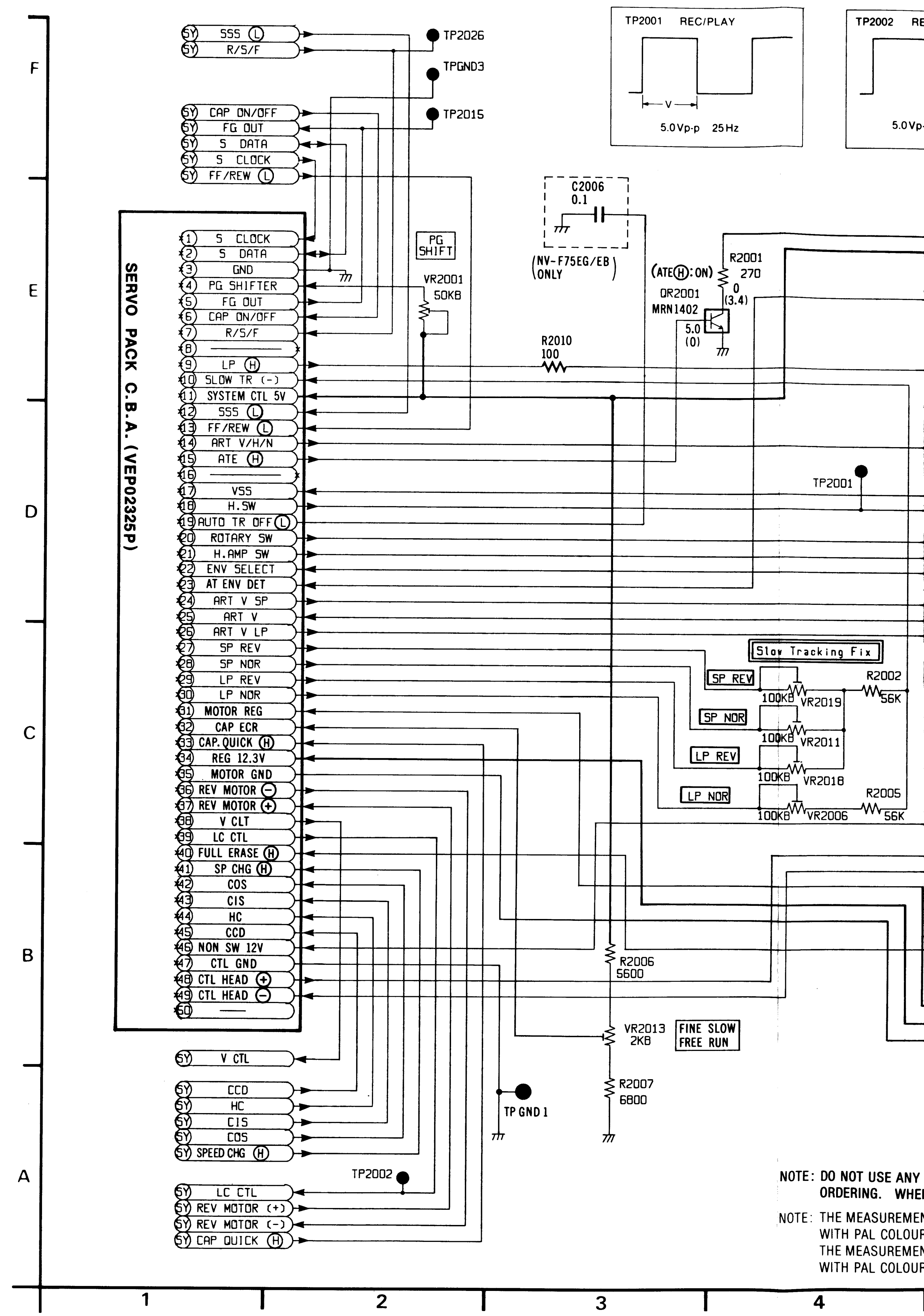
SYSTEM CONTROL ICs DC VOLTAGE CHART (SP MODE)

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.1	4.9	0	0	0	4.6	0.4	4.9	0	4.9	0	0	0	0	0	4.6	0	0	0	0
PLAY	0	4.9	0	0	0	4.6	4.9	0	0	0	0	0	4.9	0	0	4.5	0	0	0	0
FF	0	0	0	0	0	4.6	0.3	4.9	4.9	4.9	0	0	4.9	0	0	4.9	0	0	0	0
REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	0	4.8	0	5.1	4.5	5.1	—	—	0	0	4.9	0	0	4.9	0	1.3
PLAY	0	0	0	0	4.9	4.9	3.8	5.1	4.5	5.1	—	—	0	0	4.9	0	0	4.9	1.6	0
FF	0	0	0	0	3.2	3.1	0	2.5	2.5	5.1	—	—	0	0	4.9	0	0	4.9	0	1.3
REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.3	4.9	4.9	4.9	4.9	4.9	4.9	5.0	0.4	0.2	0	4.6	4.6	0.5	4.9	4.9	4.9	0	4.3	0
PLAY	1.3	4.9	4.9	4.9	4.9	4.9	4.9	5.0	0.4	0.4	0	4.6	4.6	0.6	4.9	4.9	4.9	0	4.3	0
FF	1.3	4.3	4.9	4.9	4.9	4.9	4.9	5.0	0.4	0.3	0	4.6	4.6	0.5	4.9	4.9	4.9	0	4.3	0
REF. NO.	IC6001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	3.4	0	0	0	3.3	4.6	4.7	4.7	2.0	3.5	4.9	4.9	4.9	0	0	0	4.9	4.9	0	0
PLAY	3.4	0	0	0	3.3	4.6	4.7	4.7	2.0	3.5	4.9	4.9	4.9	0	0.2	0	0	4.9	0	0
FF	3.4	0	0	0	3.3	4.6	4.7	4.7	2.0	3.5	4.9	4.9	4.9	0	0	0	4.9	4.9	0	0
REF. NO.	IC6001										IC6002									
MODE	81	82	83	84							1	2	3							
STOP	0	0	4.9	4.9							4.5	4.8	0							
PLAY	0	0	4.9	0							4.5	4.8	0							
FF	0	0	4.9	0							4.9	4.9	0							
REF. NO.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	0	5.1	5.1	0.1	5.1	0	4.9	4.9	0	5.1	0	0	5.1						
PLAY	2.7	0	5.1	5.1	0.4	5.1	0	4.9	4.9	0	5.1	0	0	5.1						
FF	2.5	0	5.1	2.5	2.6	5.1	0	4.9	4.9	0	5.1	0	0	5.1						
REF. NO.	IC6004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	0	5.1	3.2	1.4	3.5	4.5	3.5	5.0	0.2	2.0	0	4.8	4.8						
PLAY	4.9	4.9	5.1	3.3	1.4	3.5	4.6	3.5	4.7	0.2	1.8	0	4.9	4.8						
FF	3.3	3.3	5.1	2.3	1.8	3.5	4.8	3.5	4.8	1.6	1.8	0	3.6	3.6						
REF. NO.	IC6005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	9.8	10.1	10.1	1.2	8.0	8.0	0	8.0	10.3	10.3	10.3	0	9.0	4.9	4.9	0				
PLAY	9.9	10.1	10.1	1.2	8.0	8.0	0	8.0	10.3	10.3	10.3	0	9.0	4.9	4.9	0				
FF	9.8	10.1	10.1	1.2	8.0	8.0	0	8.0	10.3	10.3	10.3	0	9.0	4.9	4.9	0				
REF. NO.	IC6006																			
MODE	1	2	3	4	5	6	7	8												
STOP	5.1	0.1	0.7	0	0	2.9	0.1	5.1												
PLAY	4.5	1.8	0.7	0	1.5	2.9	0.1	5.1												
FF	5.1	0	0.7	0	0	2.9	0.1	5.1												
REF. NO.	IC6007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.9	0.5	0	4.9	4.9	4.9	0	1.2	4.9	4.9	1.3	1.3	4.8	4.9	4.9				
PLAY	0	4.9	0.5	4.9	4.9	4.9	4.9	0	1.2	4.9	4.9	1.3	0	4.4	0	4.9				
FF	0	4.9	0.5	0	4.9	4.9	4.9	0	1.2	4.9	4.4	1.3	1.3	4.3	4.9	4.9				

SYSTEM CONTROL TRANSISTORs DC VOLTAGE CHART (SP MODE)

REF. NO.	Q6002			Q6003			Q6004			Q6006			Q6007			Q6008		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	12.3	12.3	11.5	12.3	0.2	12.3	12.3	0	12.3	13.5	13.5	4.9	0	13.5	0	0.7	13.5	0.6
PLAY	12.3	12.3	11.5	12.3	0.2	12.3	12.3	0.1	12.3	13.4	13.4	4.9	0	13.4	0	0.6	13.4	0.5
FF	12.3	12.3	11.6	12.3	0.2	12.3	12.3	0.1	12.3	13.5	13.5	4.8	0	13.4	0	0.8	13.5	0.5
REF. NO.	Q6011			Q6012			Q6013			Q6014			Q6015			Q6020		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	10.3	13.5	11.6	4.9	4.9	5.6	0	0	0.7	0	0	0.1	0	4.9	0	0	4.5	0
PLAY	10.3	13.4	11.6	4.9	4.9	5.6	0	0	0.7	0	1.8	0.4	0	4.9	0	0	4.5	0
FF	10.3	13.5	11.6	4.9	4.9	5.6	0	0	0.7	0	0	0.5	0	4.9	0	0	4.5	0
REF. NO.	QR6003			QR6004			QR6005			QR6006			QR6007			QR6008		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	12.3	0	0	12.3	0	0	3.3	0	0	0.3	0	0	5.1	0.6	0	3.6	0
PLAY	0	12.3	0	0	12.3	0	0	3.5	0	0	3.4	0	0	5.1	0.6	0	3.6	0
FF	0	12.3	0	0	12.2	0	0	3.3	0	0	3.4	0	0	5.1	0.6	0	3.6	0
REF. NO.	QR6009			QR6010			QR6011			QR6013			QR6014			QR6015		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	3.4	0	3.4	0.6	0	3.5	0	5.1	0	4.9	5.1	0.7	4.6	0	0.1	4.1
PLAY	0	0	3.4	0	3.4	0.6	0	3.5	0	5.1	0	4.9	5.1	0.7	4.6	0	0.1	4.1
FF	0	0	3.4	0	3.4	0.6	0	3.5	0	5.1	0	4.9	5.1	0.7	4.6	0	0.1	4.1
REF. NO.	QR6016			QR6017			QR6018			QR6019			QR6020			QR6021		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0.4	0.2	0	4.3	0.4	5.1	5.1	0	0	1.3	4.3	0	0	4.9	5.1	1.0	4.9
PLAY	0	0.4	0.2	0	4.8	0.5	5.1	5.1	0	0	1.3	4.3	0	1.7	0	5.1	1.0	4.9
FF	0	0.4	0.2	0	4.8	0.4	5.1	5.1	0	0	1.3	4.3	0	0	4.9	5.1	5.1	0
REF. NO.	QR6022			QR6024			QR6025			QR6027								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	1.0	0	4.5	4.9	0	4.9	0	4.9	0.1	0	4.9	0						
PLAY	1.0	0	4.5	4.9	0	4.9	0	4.9	0.1	0	4.9	0						
FF	5.1	0	4.9	4.9	0	4.9	0	4.9	0.1	0	4.9	0						

3-12. SERVO SCHEMATIC DIAGRAM


F
E
D
C
B
A
1
2
3
4
SERVO PACK C.B.A. (VEP0235P)
SSS Ⓛ
R/S/F
CAP ON/OFF
FG OUT
S DATA
S CLOCK
FF/REW Ⓛ
TP2026
TPGND3
TP2015
TP2001 REC/PLAY
V
5.0Vp-p 25Hz
TP2002
5.0Vp-
C2006
0.1
(NV-F75EG/EB ONLY)
PG SHIFT
VR2001
50KB
(ATE Ⓗ : ON)
R2001
270
QR2001
MRN1402
0
(3.4)
5.0
(0)
R2010
100
1 S CLOCK
2 S DATA
3 GND
4 PG SHIFTER
5 FG OUT
6 CAP ON/OFF
7 R/S/F
8 ———
9 LP Ⓗ
10 SLOW TR (-)
11 SYSTEM CTL 5V
12 SSS Ⓛ
13 FF/REW Ⓛ
14 ART V/H/N
15 ATE Ⓗ
16 ———
17 VSS
18 H.SW
19 AUTO TR OFF Ⓛ
20 ROTARY SW
21 H.AMP SW
22 ENV SELECT
23 AT ENV DET
24 ART V SP
25 ART V
26 ART V LP
27 SP REV
28 SP NOR
29 LP REV
30 LP NOR
31 MOTOR REG
32 CAP ECR
33 CAP.QUICK Ⓗ
34 REG 12.3V
35 MOTOR GND
36 REV MOTOR ⊖
37 REV MOTOR ⊕
38 V CLT
39 LC CTL
40 FULL ERASE Ⓗ
41 SP CHG Ⓗ
42 COS
43 CIS
44 HC
45 CCD
46 NON SW 12V
47 CTL GND
48 CTL HEAD ⊕
49 CTL HEAD ⊖
50 ———
TP2001
Slow Tracking Fix
SP REV
SP NOR
LP REV
LP NOR
100KB VR2019
100KB VR2011
100KB VR2018
100KB VR2006
R2002
56K
R2005
56K
R2006
5600
VR2013
2KB
FINE SLOW
FREE RUN
R2007
6800
TP GND 1
V CTL
CCD
HC
CIS
COS
SPEED CHG Ⓗ
TP2002
LC CTL
REV MOTOR (+)
REV MOTOR (-)
CAP QUICK Ⓗ

NOTE: DO NOT USE ANY
ORDERING. WHE

NOTE: THE MEASUREMEN
WITH PAL COLOUR
THE MEASUREMEN
WITH PAL COLOUR

DE)

8
B
0.6
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B
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08
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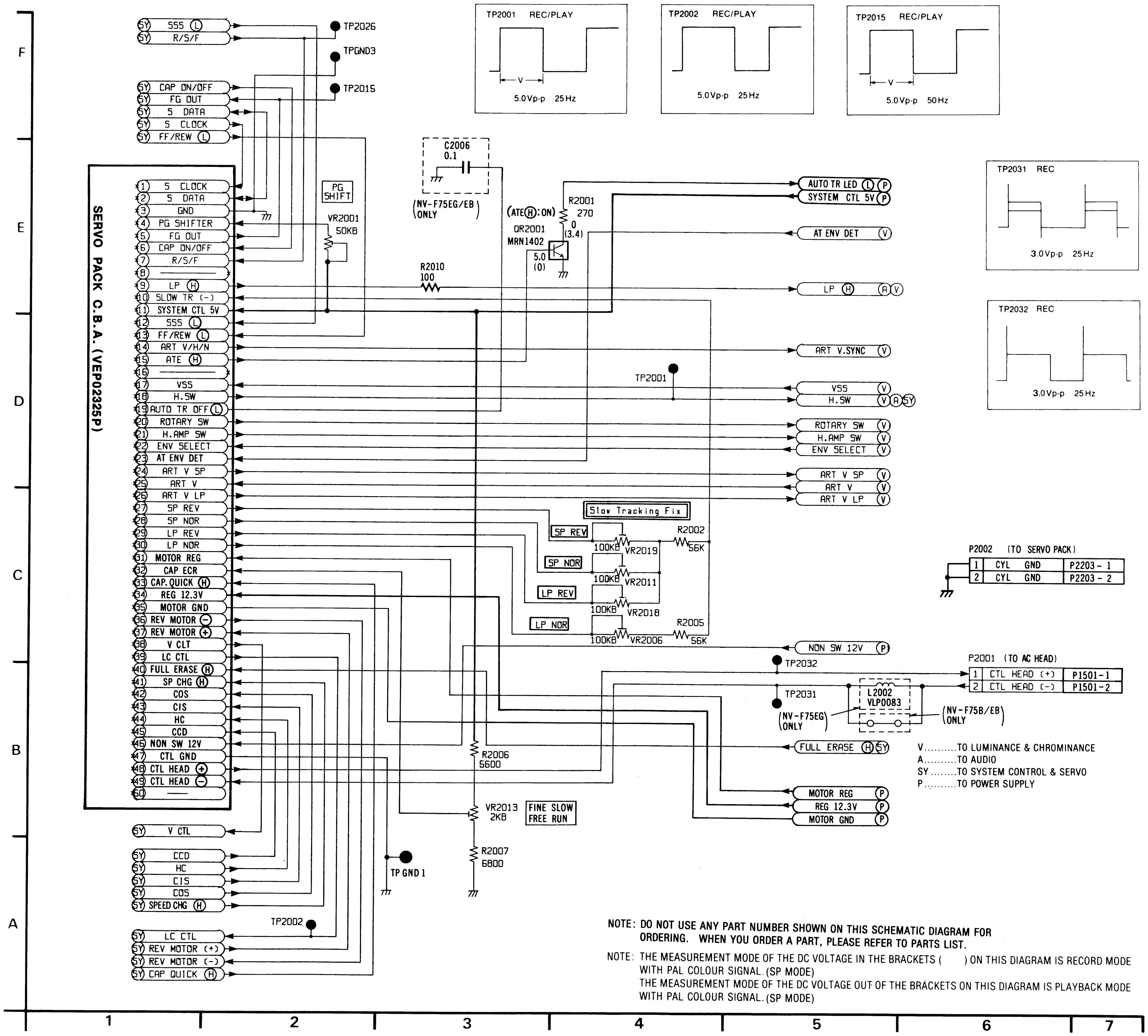
15
B
4.1
4.1
4.1
21
B
4.9
4.9
0

3-12. SERVO SCHEMATIC DIAGRAM


F
E
D
C
B
A
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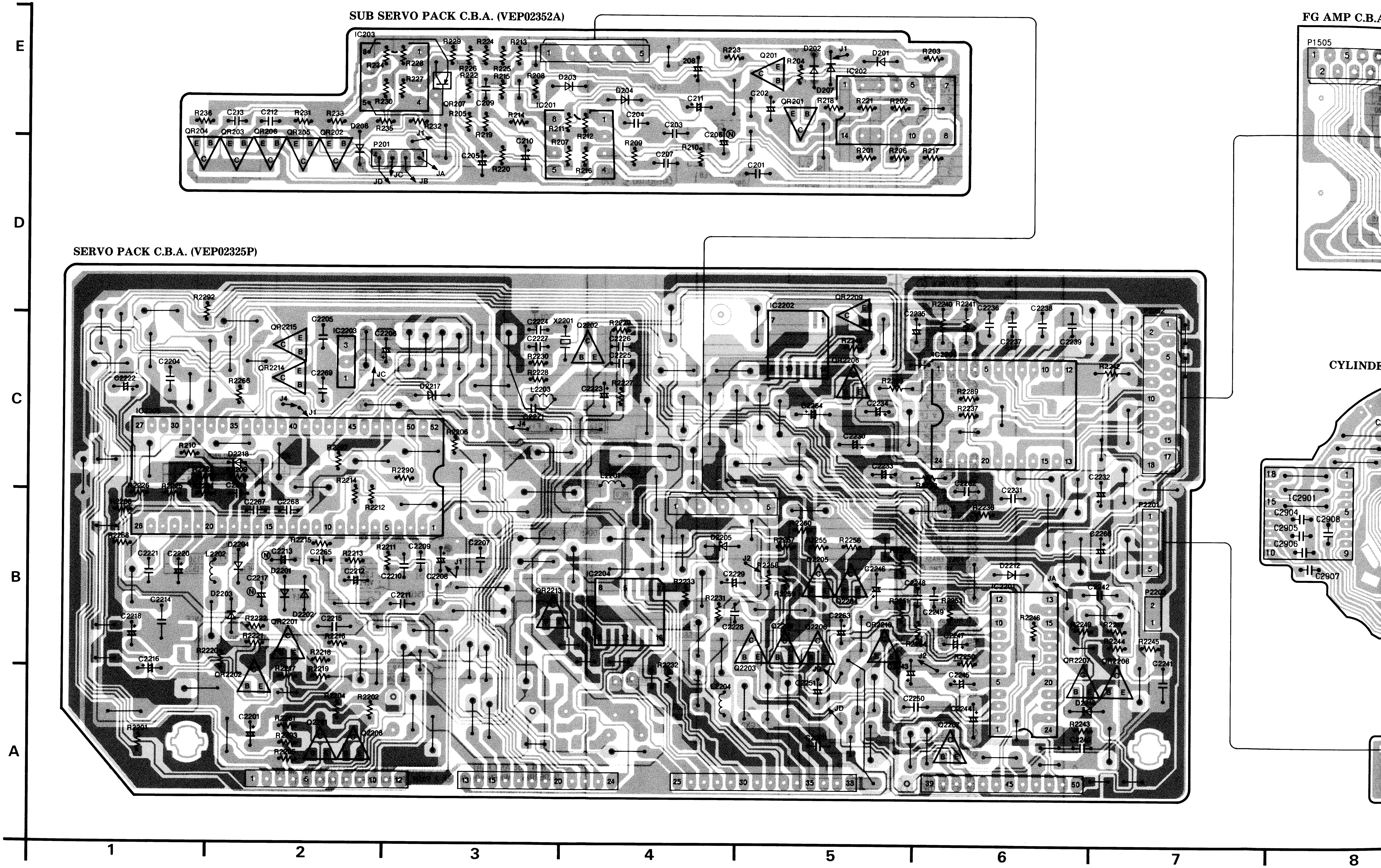
2
3
4
5
6
7
SY SSS L
SY R/S/F
TP2026
TPGND3
TP2015
SY CAP ON/OFF
SY FG OUT
SY S DATA
SY S CLOCK
SY FF/REW L
SERVO PACK C.B.A. (VEP02325P)
1 S CLOCK
2 S DATA
3 GND
4 PG SHIFTER
5 FG OUT
6 CAP ON/OFF
7 R/S/F
8 ——
9 LP H
10 SLOW TR (-)
11 SYSTEM CTL 5V
12 SSS L
13 FF/REW L
14 ART V/H/N
15 ATE H
16 ——
17 VSS
18 H.SW
19 AUTO TR OFF L
20 ROTARY SW
21 H.AMP SW
22 ENV SELECT
23 AT ENV DET
24 ART V SP
25 ART V
26 ART V LP
27 SP REV
28 SP NOR
29 LP REV
30 LP NOR
31 MOTOR REG
32 CAP ECR
33 CAP.QUICK H
34 REG 12.3V
35 MOTOR GND
36 REV MOTOR ⊖
37 REV MOTOR ⊕
38 V CLT
39 LC CTL
40 FULL ERASE H
41 SP CHG H
42 COS
43 CIS
44 HC
45 CCD
46 NON SW 12V
47 CTL GND
48 CTL HEAD ⊕
49 CTL HEAD ⊖
50 ——
PG SHIFT
VR2001
50KB
C2006
0.1
(NV-F75EG/EB ONLY)
(ATE H: ON)
R2001
270
0
(3.4)
QR2001
MRN1402
5.0
(0)
R2010
100
TP2001 REC/PLAY
V
5.0Vp-p 25Hz
TP2002 REC/PLAY
5.0Vp-p 25Hz
TP2015 REC/PLAY
V
5.0Vp-p 50Hz
TP2031 REC
3.0Vp-p 25Hz
TP2032 REC
3.0Vp-p 25Hz
AUTO TR LED L P
SYSTEM CTL 5V P
AT ENV DET V
LP H A V
ART V.SYNC V
TP2001
VSS V
H.SW V A SY
ROTARY SW V
H.AMP SW V
ENV SELECT V
ART V SP V
ART V V
ART V LP V
Slow Tracking Fix
SP REV
SP NOR
LP REV
LP NOR
100KB VR2019
100KB VR2011
100KB VR2018
100KB VR2006
R2002
56K
R2005
56K
NON SW 12V P
TP2032
TP2031
L2002
VLP0083
(NV-F75EG ONLY)
(NV-F75B/EB ONLY)
P2002 (TO SERVO PACK)
1 CYL GND P2203-1
2 CYL GND P2203-2
P2001 (TO AC HEAD)
1 CTL HEAD (+) P1501-1
2 CTL HEAD (-) P1501-2
FULL ERASE H SY
R2006
5600
MOTOR REG P
REG 12.3V P
MOTOR GND P
VR2013
2KB
FINE SLOW
FREE RUN
R2007
6800
TP GND 1
SY V CTL
SY CCD
SY HC
SY CIS
SY COS
SY SPEED CHG H
TP2002
SY LC CTL
SY REV MOTOR (+)
SY REV MOTOR (-)
SY CAP QUICK H
V..........TO LUMINANCE & CHROMINANCE
A..........TO AUDIO
SY........TO SYSTEM CONTROL & SERVO
P..........TO POWER SUPPLY

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

Next Page:
SERVO PACK Section

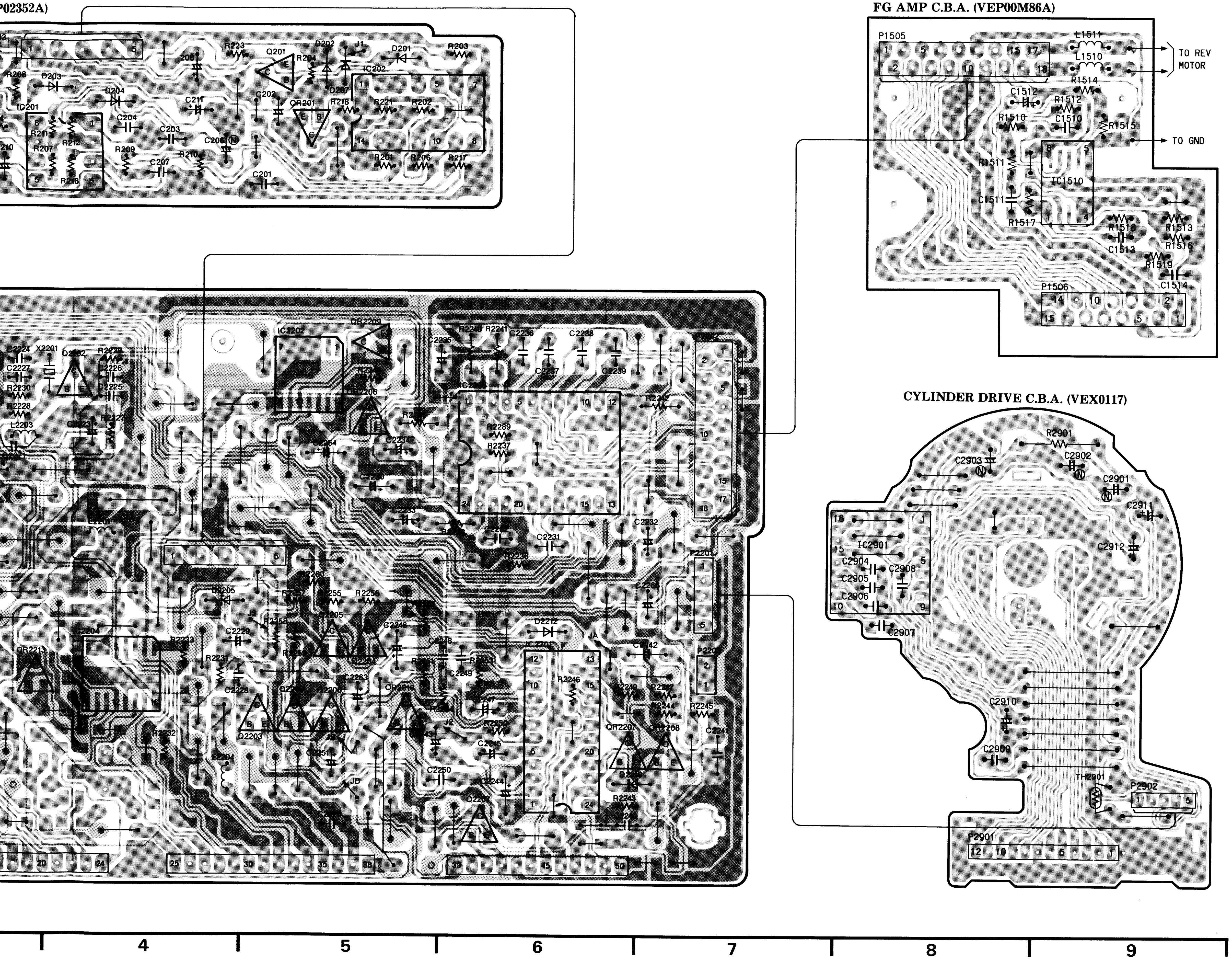
3-13. SERVO PACK C.B.A. (VEP02325P)


SUB SERVO PACK C.B.A. (VEP02352A)
SERVO PACK C.B.A. (VEP02325P)
FG AMP C.B.A
CYLINDE
E
D
C
B
A
1
2
3
4
5
6
7
8

P02352A)

FG AMP C.B.A. (VEP00M86A)

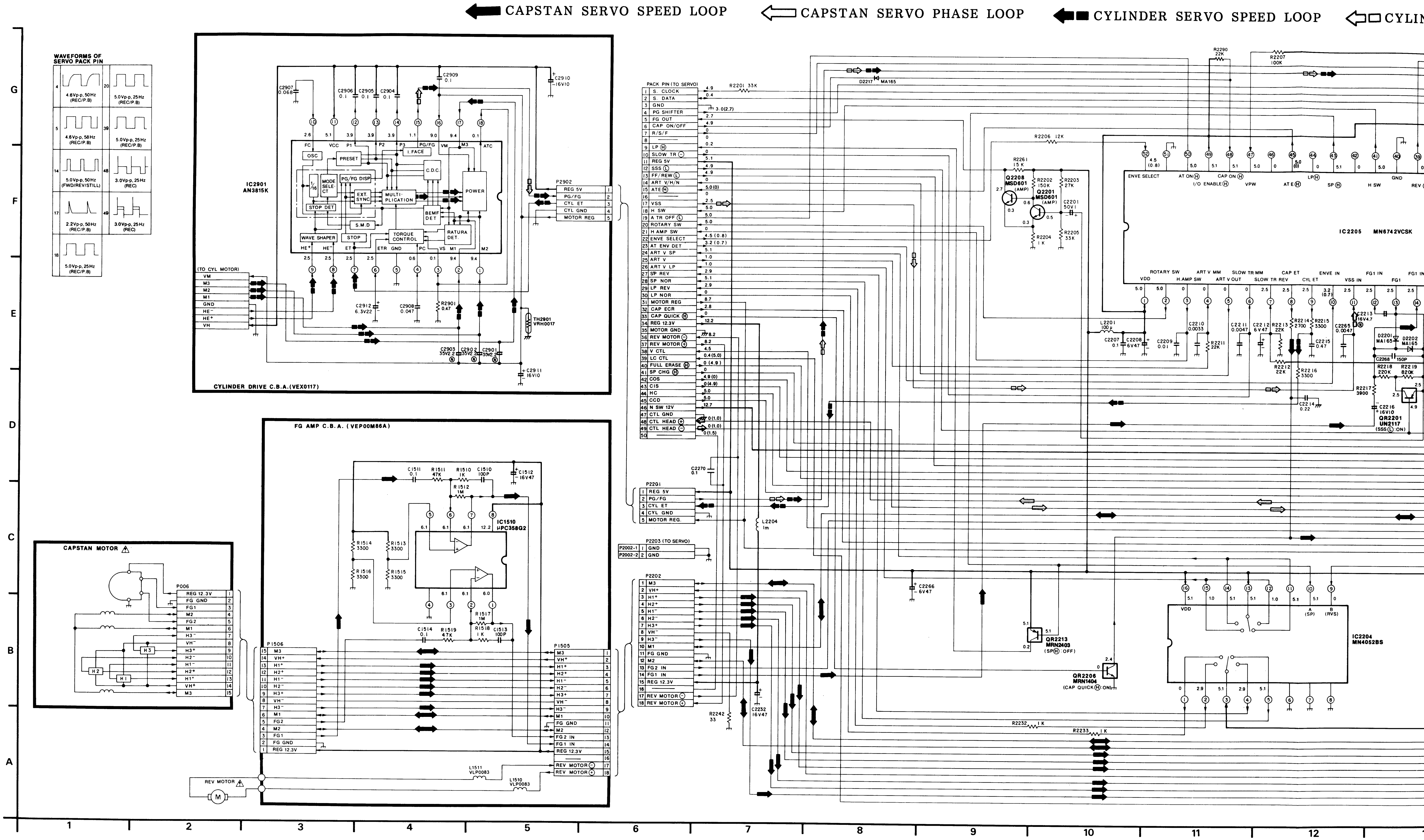
CYLINDER DRIVE C.B.A. (VEX0117)


TO REV MOTOR
TO GND
P1505
P1506
IC1510
IC2901
IC2201
IC2202
P2201
P2202
P2203
P2901
P2902
TH2901
4
5
6
7
8
9

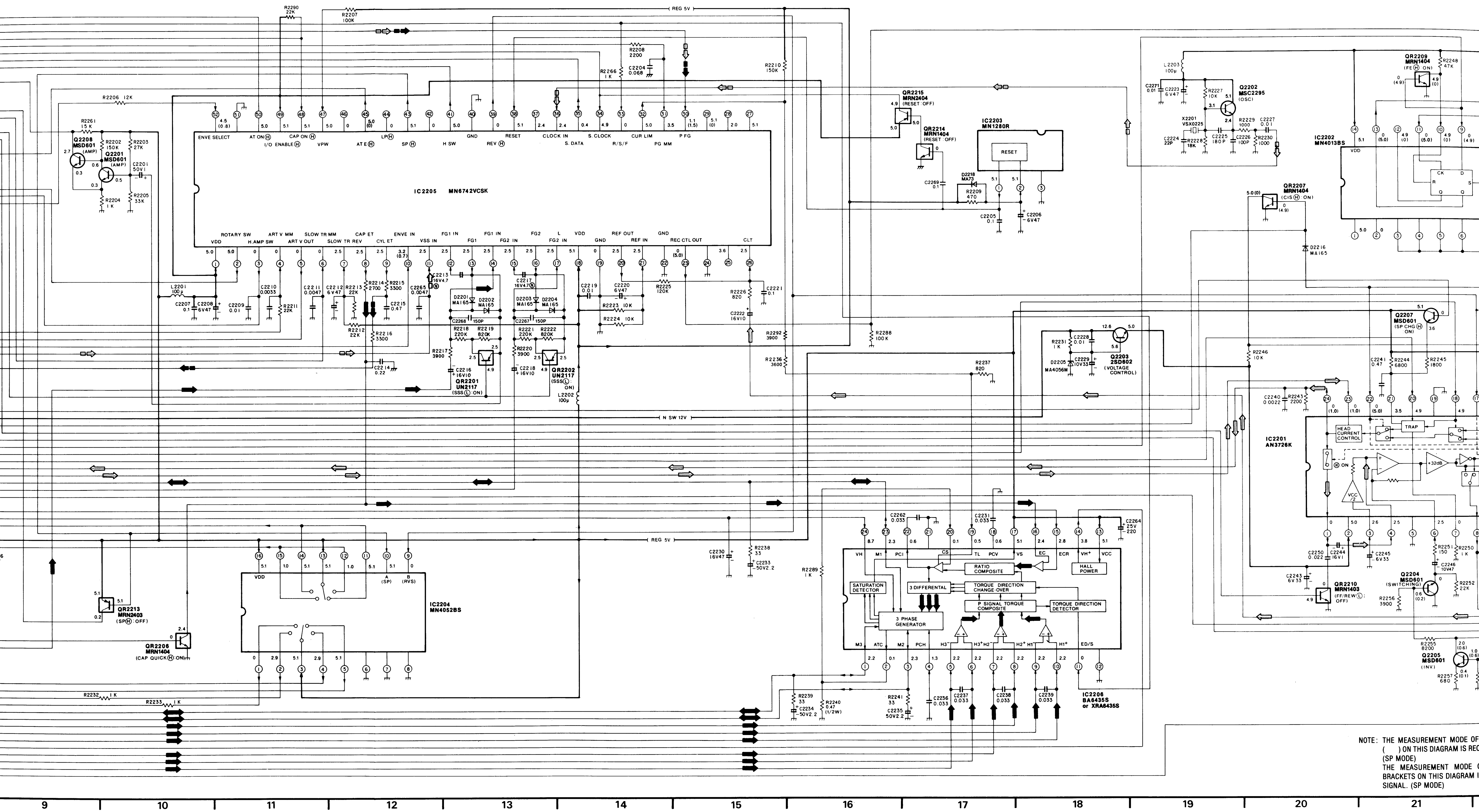
SERVO PACK C.B.A.	
Transistor	
Q201	E-5
Q2201	A-2
Q2202	C-4
Q2203	B-5
Q2204	B-5
Q2205	B-5
Q2206	B-5
Q2207	A-6
Q2208	A-2
Q2209	B-5
Transistor & Resistor	
QR201	E-5
QR202	E-2
QR203	E-2
QR204	E-2
QR205	E-2
QR206	E-2
QR207	E-3
QR2201	B-2
QR2202	A-2
QR2206	C-5
QR2207	B-6
QR2208	B-7
QR2209	D-5
QR2210	B-5
QR2213	B-3
QR2214	C-2
QR2215	C-2
Integrated Circuit	
IC201	E-3
IC202	E-5
IC203	E-2
IC1510	D-9
IC2201	B-6
IC2202	D-5
IC2203	C-2
IC2204	B-4
IC2205	C-1
IC2206	C-6
IC2901	C-8
Connector	
P201	E-3
P1505	E-8
P1506	D-9
P2201	B-7
P2202	D-7
P2203	B-7
P2901	A-8
P2902	A-9

ADDRESS INFORMATION

3-14. SERVO PACK SCHEMATIC DIAGRAM


CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP
CYLIN
WAVEFORMS OF SERVO PACK PIN
4.6Vp-p, 50Hz (REC/P.B)
5.0Vp-p, 25Hz (REC/P.B)
4.6Vp-p, 58Hz (REC/P.B)
5.0Vp-p, 25Hz (REC/P.B)
5.0Vp-p, 50Hz (FWD/REV/STILL)
3.0Vp-p, 25Hz (REC)
2.2Vp-p, 50Hz (REC/P.B)
3.0Vp-p, 25Hz (REC)
5.0Vp-p, 25Hz (REC/P.B)
IC2901 AN3815K
OSC
PRESET
I. FACE
C.D.C.
MODE SELECT
PG/FG DISP
EXT. SYNC
MULTIPLICATION
POWER
STOP DET
S.M.D
BEMF DET
WAVE SHAPER
STOP
TORQUE CONTROL
RATURA DET.
P2902
REG 5V
PG/FG
CYL ET
CYL GND
MOTOR REG
(TO CYL MOTOR)
VM
M3
M2
M1
GND
HE⁻
HE⁺
VH
TH2901 VRH0017
CYLINDER DRIVE C.B.A.(VEX0117)
FG AMP C.B.A. (VEP00M86A)
IC1510 μPC358G2
CAPSTAN MOTOR
P006
REG 12.3V
FG GND
FG1
M2
FG2
M1
H3⁻
VH⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
VH⁺
M3
P1506
P1505
REV MOTOR
L1511 VLP0083
L1510 VLP0083
PACK PIN (TO SERVO)
1 S. CLOCK
2 S. DATA
3 GND
4 PG SHIFTER
5 FG OUT
6 CAP ON/OFF
7 R/S/F
8
9 LP Ⓗ
10 SLOW TR ㊀
11 REG 5V
12 SSS Ⓛ
13 FF/REW Ⓛ
14 ART V/H/N
15 ATE Ⓗ
16
17 VSS
18 H SW
19 A TR OFF Ⓛ
20 ROTARY SW
21 H.AMP SW
22 ENVE SELECT
23 AT ENV DET
24 ART V SP
25 ART V
26 ART V LP
27 SP REV
28 SP NOR
29 LP REV
30 LP NOR
31 MOTOR REG
32 CAP ECR
33 CAP QUICK Ⓗ
34 REG 12.3V
35 MOTOR GND
36 REV MOTOR ㊀
37 REV MOTOR ⊕
38 V CTL
39 LC CTL
40 FULL ERASE Ⓗ
41 SP CHG Ⓗ
42 COS
43 CIS
44 HC
45 CCD
46 N SW 12V
47 CTL GND
48 CTL HEAD ⊕
49 CTL HEAD ㊀
50
P2201
REG 5V
PG/FG
CYL ET
CYL GND
MOTOR REG.
P2203 (TO SERVO)
P2002-1
P2002-2
P2202
REV MOTOR ㊀
REV MOTOR ⊕
D2217 MA165
Q2208 MSD601 (AMP)
Q2201 MSD601 (AMP)
IC2205 MN6742VCSK
ENVE SELECT
AT ON Ⓗ
CAP ON Ⓗ
I/O ENABLE Ⓗ
VPW
ATE Ⓗ
LP Ⓗ
SP Ⓗ
H SW
GND
ROTARY SW
ART V MM
SLOW TR MM
CAP ET
ENVE IN
FG1 IN
VDD
H.AMP SW
ART V OUT
SLOW TR REV
CYL ET
VSS IN
FG1
D2201 MA165
D2202 MA165
QR2201 UN2117 (SSS Ⓛ ON)
IC2204 MN4052BS
A (SP)
B (RVS)
QR2213 MRN2403 (SP Ⓗ OFF)
QR2206 MRN1404 (CAP QUICK Ⓗ ON)
L2201 100μ
L2204 1m
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11
12

PHASE LOOP ◀■ CYLINDER SERVO SPEED LOOP ◁□ CYLINDER SERVO PHASE LOOP


IC2205 MN6742VCSK
IC2204 MN4052BS
IC2206 BA6435S or XRA6435S
IC2203 MN1280R
IC2202 MN4013BS
IC2201 AN3726K
Q2208 MSD601 (AMP)
Q2201 MSD601 (AMP)
QR2201 UN2117 (SSS(L):ON)
QR2202 UN2117 (SSS(L):ON)
QR2213 MRN2403 (SP(H):OFF)
QR2206 MRN1404 (CAP QUICK(H):ON)
QR2215 MRN2404 (RESET:OFF)
QR2214 MRN1404 (RESET:OFF)
Q2202 MSC2295 (OSC)
QR2209 MRN1404 (FE(H):ON)
QR2207 MRN1404 (CIS(H):ON)
Q2207 MSD601 (SP CHG(H):ON)
Q2203 2SD602 (VOLTAGE CONTROL)
QR2210 MRN1403 (FF/REW(L):OFF)
Q2204 MSD601 (SWITCHING)
Q2205 MSD601 (INV)
REG 5V
N SW 12V
9
10
11
12
13
14
15
16
17
18
19
20
21

NOTE: THE MEASUREMENT MODE OF
( ) ON THIS DIAGRAM IS REC
(SP MODE)
THE MEASUREMENT MODE
BRACKETS ON THIS DIAGRAM
SIGNAL. (SP MODE)

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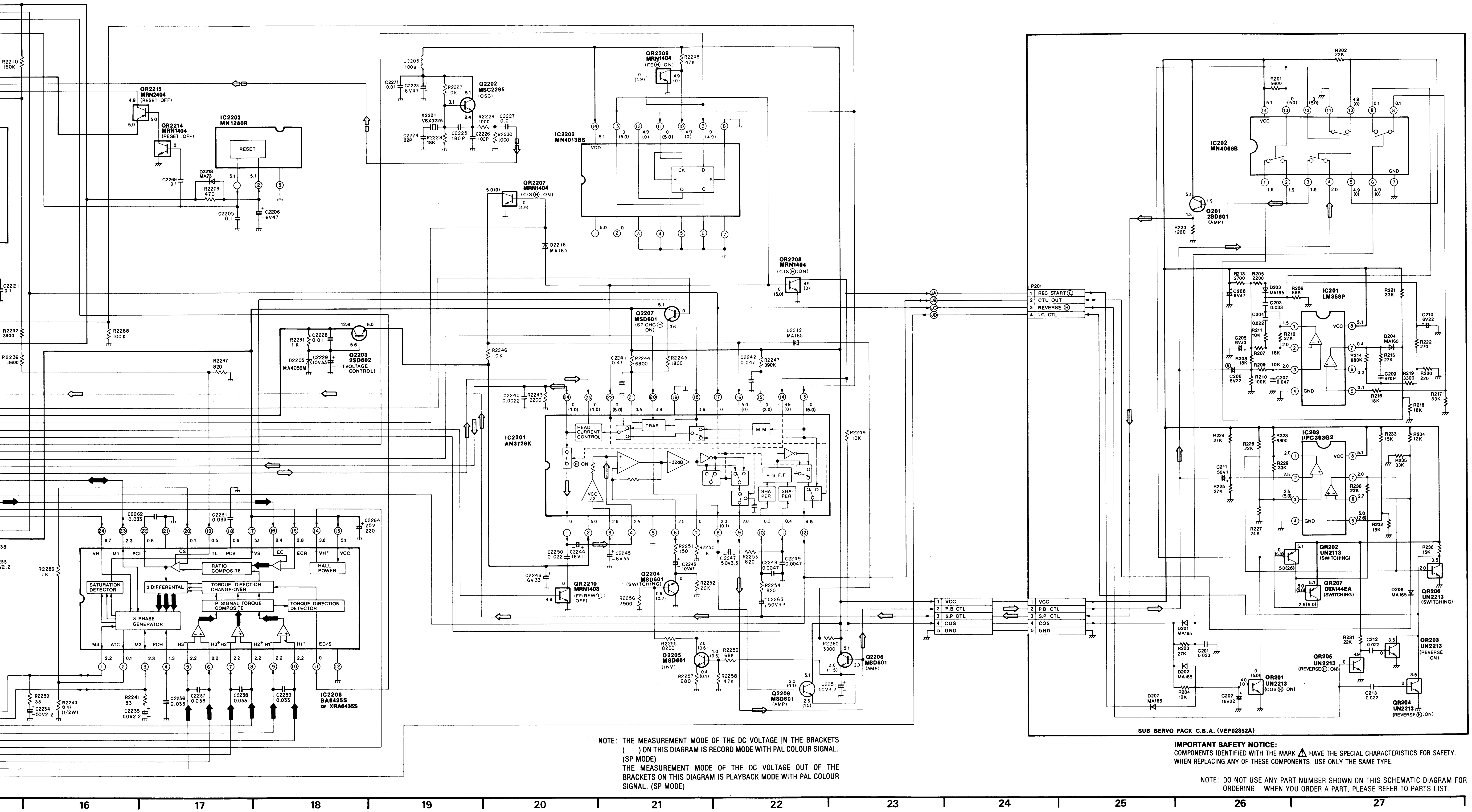

IC2203 MN1280R
RESET
QR2215 MRN2404 (RESET:OFF)
QR2214 MRN1404 (RESET:OFF)
D2218 MA73
R2209 470
C2269 0.1
C2205 0.1
C2206 6V47
R2210 150K
C2221 0.1
R2292 3900
R2236 3600
R2288 100K
R2237 820
L2203 100μ
C2271 0.01
C2223 6V47
R2227 10K
Q2202 MSC2295 (OSC)
X2201 VSX0225
C2224 22P
R2228 18K
C2225 180P
C2226 100P
R2229 1000
C2227 0.01
R2230 1000
QR2209 MRN1404 (FE Ⓗ ON)
R2248 47K
IC2202 MN4013BS
VDD
CK D R S Q Q
QR2207 MRN1404 (CIS Ⓗ ON)
D2216 MA165
QR2208 MRN1404 (CIS Ⓗ ON)
Q2207 MSD601 (SP CHG Ⓗ ON)
R2231 1K
C2228 0.01
D2205 MA4056M
C2229 10V33
Q2203 2SD602 (VOLTAGE CONTROL)
R2246 10K
C2241 0.47
R2244 6800
R2245 1800
D2212 MA165
C2242 0.047
R2247 390K
C2240 0.0022
R2243 2200
IC2201 AN3726K
HEAD CURRENT CONTROL
TRAP
M.M
Ⓗ ON
VCC/2
+32dB
R.S F.F
SHAPER
SHAPER
R2249 10K
C2250 0.022
C2244 16V1
C2245 6V33
C2243 6V33
QR2210 MRN1403 (FF/REW Ⓛ: OFF)
Q2204 MSD601 (SWITCHING)
R2256 3900
R2251 150
C2246 10V47
R2250 1K
R2252 22K
C2247 50V3.3
R2253 820
C2248 0.0047
C2249 0.0047
R2254 820
C2263 50V3.3
R2255 8200
Q2205 MSD601 (INV)
R2257 680
R2259 68K
R2258 4.7K
R2260 3900
Q2206 MSD601 (AMP)
Q2209 MSD601 (AMP)
C2251 50V3.3
C2262 0.033
C2231 0.033
C2264 25V 220
VH M1 PC1 CS TL PCV VS EC ECR VH+ VCC
SATURATION DETECTOR
RATIO COMPOSITE
HALL POWER
3 DIFFERENTAL
TORQUE DIRECTION CHANGE-OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3 ATC M2 PCH H3- H3+ H2- H2+ H1- H1+ ED/S
IC2206 BA6435S or XRA6435S
R2289 1K
R2239 33
C2234 50V2.2
R2240 0.47 (1/2W)
R2241 33
C2235 50V2.2
C2236 0.033
C2237 0.033
C2238 0.033
C2239 0.033
Ⓐ Ⓑ Ⓒ Ⓓ
P201
1 REC START Ⓛ
2 CTL OUT
3 REVERSE Ⓗ
4 LC CTL
1 VCC
2 P.B CTL
3 S.P CTL
4 COS
5 GND
R202 22K
R201 5600
IC202 MN4066B
VCC GND
Q201 2SD601 (AMP)
R223 1200
R213 2700
R205 2200
C208 6V47
D203 MA165
R206 68K
C203 0.033
IC201 LM358P
C204 0.022
R211 10K
R212 27K
C205 6V33
R207 18K
R208 18K
R209 10K
C206 6V22
R210 100K
C207 0.047
R221 33K
C210 6V22
R222 270
D204 MA165
R214 680K
R215 27K
C209 470P
R219 3300
R220 220
R216 18K
R217 33K
R218 18K
R224 27K
R226 22K
R228 6800
IC203 μPC393G2
R233 15K
R234 12K
R235 33K
C211 50V1
R229 33K
R225 27K
R230 22K
R227 24K
R232 15K
QR202 UN2113 (SWITCHING)
QR207 DTA144EA (SWITCHING)
R236 15K
QR206 UN2213 (SWITCHING)
D206 MA165
D201 MA165
R203 27K
C201 0.033
D202 MA165
R204 10K
D207 MA165
C202 16V22
QR201 UN2213 (COS Ⓗ ON)
QR205 UN2213 (REVERSE Ⓡ ON)
R231 22K
C212 0.022
QR203 UN2213 (REVERSE ON)
C213 0.022
QR204 UN2213 (REVERSE Ⓡ ON)
SUB SERVO PACK C.B.A. (VEP02352A)
16 17 18 19 20 21 22 23 24 25 26 27

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

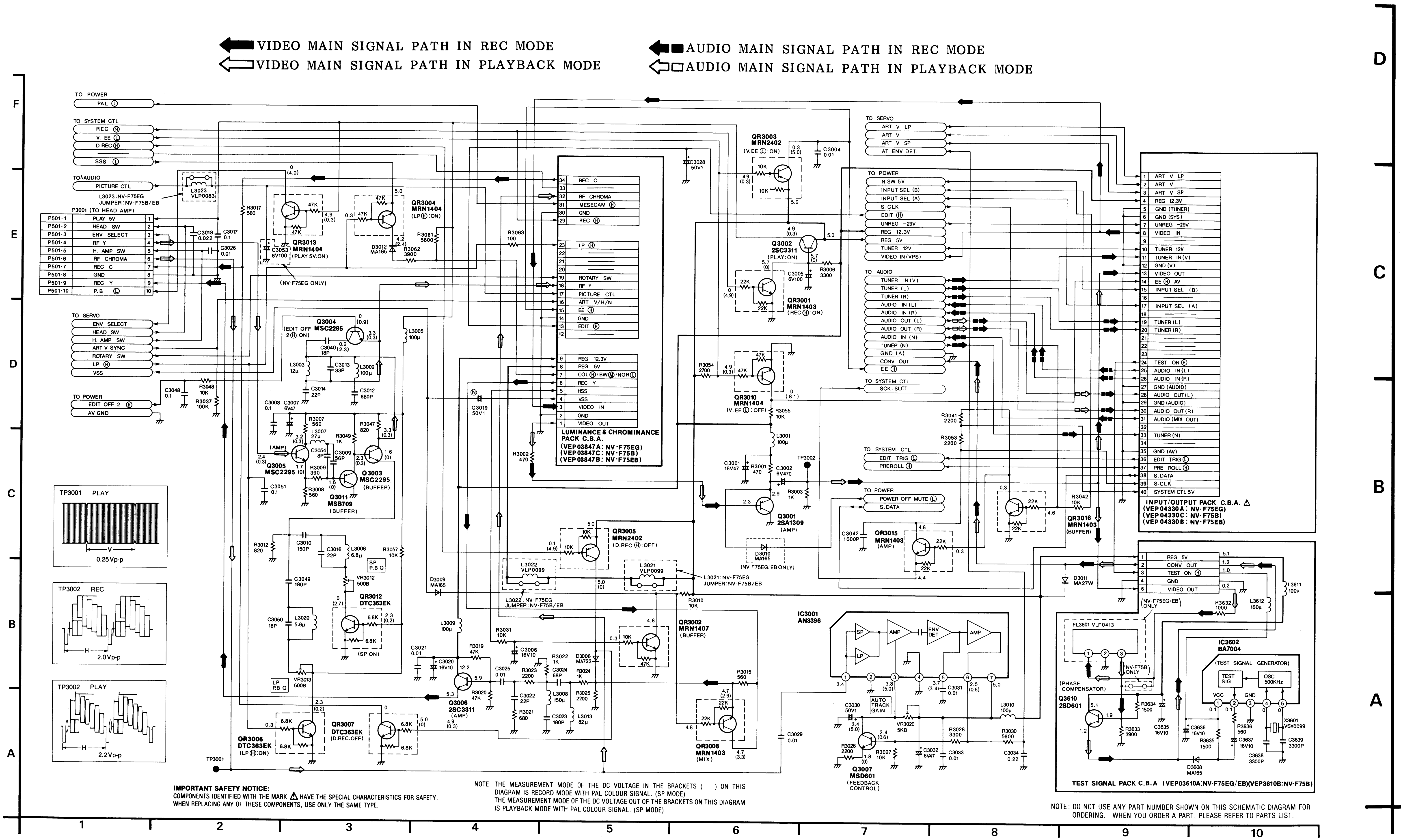
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Next Page:
LUMINANCE & CHROMINANCE Section

3-15. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


TO POWER
PAL Ⓛ
TO SYSTEM CTL
REC Ⓗ
V. EE Ⓛ
D.REC Ⓗ
SSS Ⓛ
TO AUDIO
PICTURE CTL
L3023 VLP0083
L3023:NV-F75EG
JUMPER:NV-F75B/EB
P3001 (TO HEAD AMP)
P501-1 PLAY 5V 1
P501-2 HEAD SW 2
P501-3 ENV SELECT 3
P501-4 RF Y 4
P501-5 H. AMP SW 5
P501-6 RF CHROMA 6
P501-7 REC C 7
P501-8 GND 8
P501-9 REC Y 9
P501-10 P.B Ⓛ 10
TO SERVO
ENV SELECT
HEAD SW
H. AMP SW
ART V.SYNC
ROTARY SW
LP Ⓗ
VSS
TO POWER
EDIT OFF 2 Ⓗ
AV GND
QR3013 MRN1404 (PLAY 5V:ON)
QR3004 MRN1404 (LP Ⓗ:ON)
C3053 6V100 (NV-F75EG ONLY)
Q3004 MSC2295 (EDIT OFF 2 Ⓗ:ON)
Q3005 MSC2295 (AMP)
Q3003 MSC2295 (BUFFER)
Q3011 MSB709 (BUFFER)
QR3012 DTC363EK (SP:ON)
QR3006 DTC363EK (LP Ⓗ:ON)
QR3007 DTC363EK (D.REC Ⓗ:OFF)
Q3006 2SC3311 (AMP)
QR3005 MRN2402 (D.REC Ⓗ:OFF)
QR3002 MRN1407 (BUFFER)
QR3008 MRN1403 (MIX)
L3022 VLP0099
L3022:NV-F75EG
JUMPER:NV-F75B/EB
L3021 VLP0099
L3021:NV-F75EG
JUMPER:NV-F75B/EB
D3009 MA165
D3006 MA723
SP P.B Q
LP P.B Q
TP3001
TP3002
34 REC C
33
32 RF CHROMA
31 MESECAM Ⓗ
30 GND
29 REC Ⓗ
23 LP Ⓗ
19 ROTARY SW
18 RF Y
17 PICTURE CTL
16 ART V/H/N
15 EE Ⓗ
14 GND
13 EDIT Ⓗ
9 REG 12.3V
8 REG 5V
7 COL Ⓗ/BW Ⓜ/NOR Ⓛ
6 REC Y
5 HSS
4 VSS
3 VIDEO IN
2 GND
1 VIDEO OUT
LUMINANCE & CHROMINANCE PACK C.B.A.
(VEP03847A: NV-F75EG)
(VEP03847C: NV-F75B)
(VEP03847B: NV-F75EB)
QR3003 MRN2402 (V.EE Ⓛ:ON)
Q3002 2SC3311 (PLAY:ON)
QR3001 MRN1403 (REC Ⓗ:ON)
QR3010 MRN1404 (V.EE Ⓛ:OFF)
Q3001 2SA1309 (AMP)
D3010 MA165 (NV-F75EG/EB ONLY)
QR3015 MRN1403 (AMP)
QR3016 MRN1403 (BUFFER)
D3011 MA27W
TO SERVO
ART V LP
ART V
ART V SP
AT ENV DET.
TO POWER
N.SW 5V
INPUT SEL (B)
INPUT SEL (A)
S.CLK
EDIT Ⓗ
UNREG -29V
REG 12.3V
REG 5V
TUNER 12V
VIDEO IN (VPS)
TO AUDIO
TUNER IN (V)
TUNER (L)
TUNER (R)
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (L)
AUDIO OUT (R)
AUDIO IN (N)
TUNER (N)
GND (A)
CONV OUT
EE Ⓗ
TO SYSTEM CTL
SCK. SLCT
TO SYSTEM CTL
EDIT TRIG Ⓛ
PREROLL Ⓗ
TO POWER
POWER OFF MUTE Ⓛ
S. DATA
1 ART V LP
2 ART V
3 ART V SP
4 REG 12.3V
5 GND (TUNER)
6 GND (SYS)
7 UNREG -29V
8 VIDEO IN
9
10 TUNER 12V
11 TUNER IN (V)
12 GND (V)
13 VIDEO OUT
14 EE Ⓗ AV
15 INPUT SEL (B)
16
17 INPUT SEL (A)
18
19 TUNER (L)
20 TUNER (R)
21
22
23
24 TEST ON Ⓗ
25 AUDIO IN (L)
26 AUDIO IN (R)
27 GND (AUDIO)
28 AUDIO OUT (L)
29 GND (AUDIO)
30 AUDIO OUT (R)
31 AUDIO (MIX OUT)
32
33 TUNER (N)
34
35 GND (AV)
36 EDIT TRIG Ⓛ
37 PRE ROLL Ⓗ
38 S. DATA
39 S.CLK
40 SYSTEM CTL 5V
INPUT/OUTPUT PACK C.B.A. ⚠
(VEP04330A: NV-F75EG)
(VEP04330C: NV-F75B)
(VEP04330B: NV-F75EB)
IC3001 AN3396
SP
LP
AMP
ENV DET
AMP
AUTO TRACK GAIN
Q3007 MSD601 (FEEDBACK CONTROL)
1 REG 5V
2 CONV OUT
3 TEST ON Ⓗ
4 GND
5 VIDEO OUT
(NV-F75EG/EB) ONLY
FL3601 VLF0413
NV-F75B ONLY
(PHASE COMPENSATOR)
Q3610 2SD601
IC3602 BA7004
(TEST SIGNAL GENERATOR)
TEST SIG
OSC 500KHz
VCC
GND
X3601 VSX0099
D3608 MA165
TEST SIGNAL PACK C.B.A (VEP03610A:NV-F75EG/EB)(VEP3610B:NV-F75B)
TP3001 PLAY
V
0.25Vp-p
TP3002 REC
H
2.0Vp-p
TP3002 PLAY
H
2.2Vp-p
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

IMPORTANT SAFETY NOTICE:
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NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

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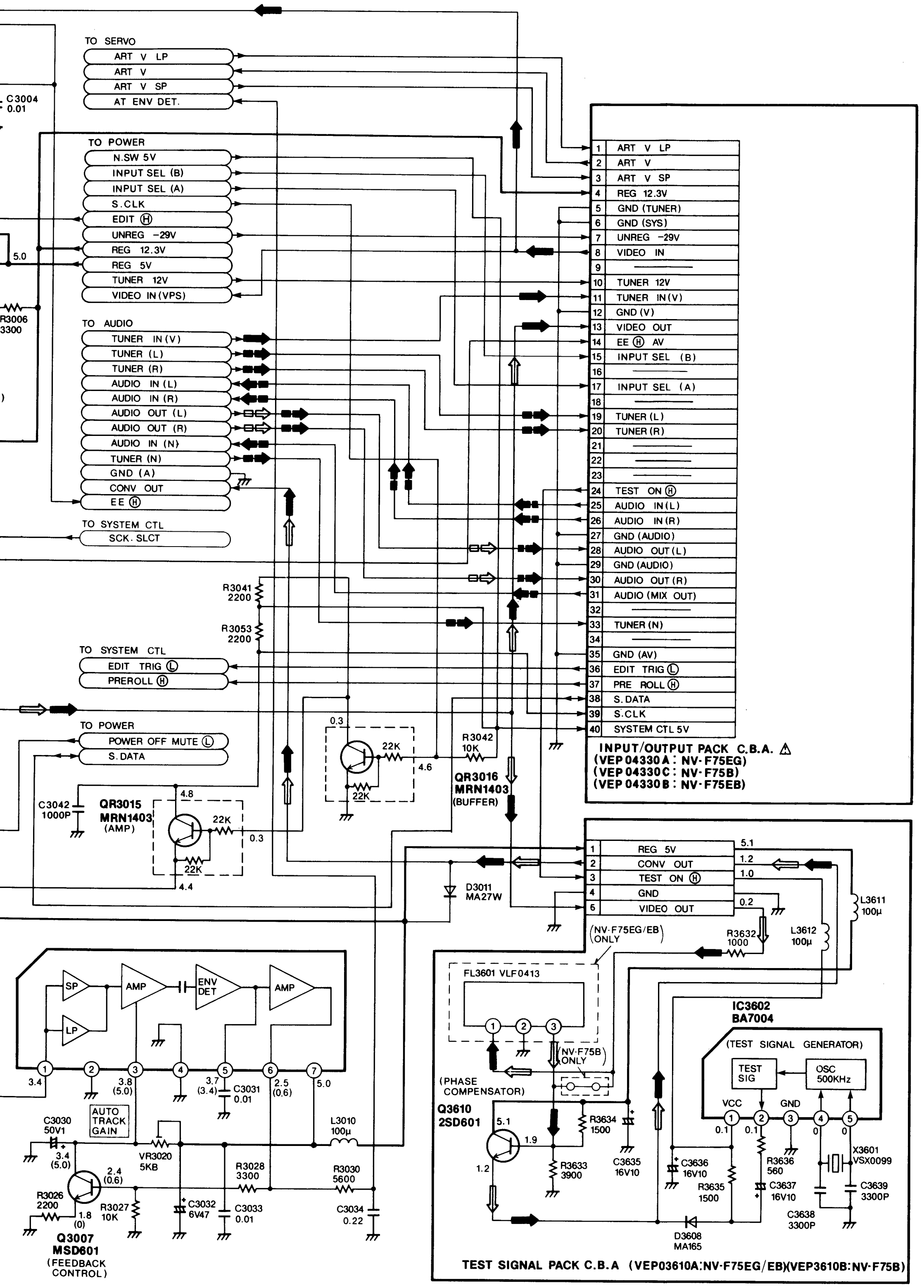
AL PATH IN REC MODE

AL PATH IN PLAYBACK MODE

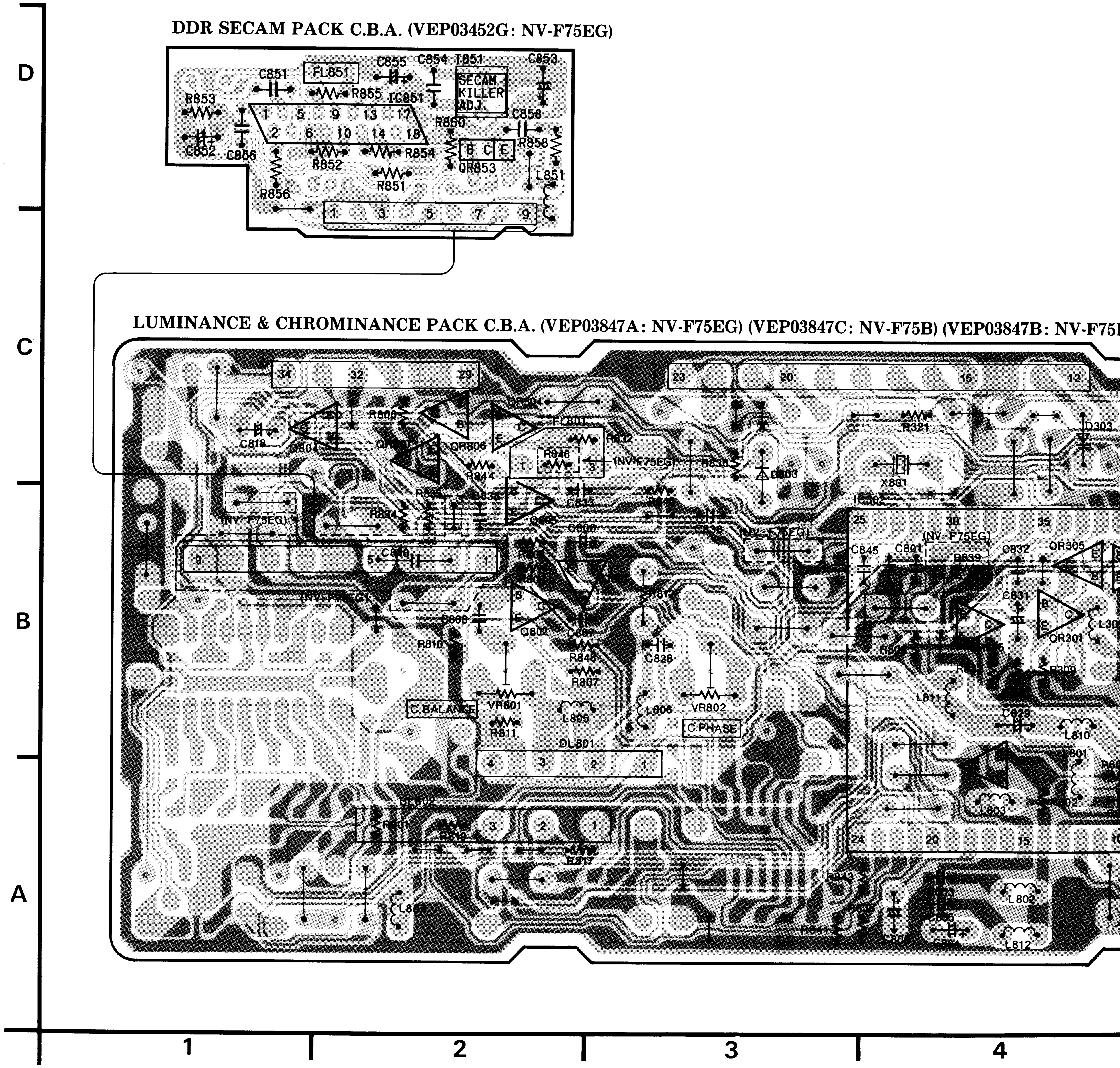

TO SERVO
ART V LP
ART V
ART V SP
AT ENV DET.
TO POWER
N.SW 5V
INPUT SEL (B)
INPUT SEL (A)
S.CLK
EDIT Ⓗ
UNREG −29V
REG 12.3V
REG 5V
TUNER 12V
VIDEO IN (VPS)
TO AUDIO
TUNER IN (V)
TUNER (L)
TUNER (R)
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (L)
AUDIO OUT (R)
AUDIO IN (N)
TUNER (N)
GND (A)
CONV OUT
EE Ⓗ
TO SYSTEM CTL
SCK. SLCT
TO SYSTEM CTL
EDIT TRIG Ⓛ
PREROLL Ⓗ
TO POWER
POWER OFF MUTE Ⓛ
S. DATA
1 ART V LP
2 ART V
3 ART V SP
4 REG 12.3V
5 GND (TUNER)
6 GND (SYS)
7 UNREG −29V
8 VIDEO IN
10 TUNER 12V
11 TUNER IN (V)
12 GND (V)
13 VIDEO OUT
14 EE Ⓗ AV
15 INPUT SEL (B)
17 INPUT SEL (A)
19 TUNER (L)
20 TUNER (R)
24 TEST ON Ⓗ
25 AUDIO IN (L)
26 AUDIO IN (R)
27 GND (AUDIO)
28 AUDIO OUT (L)
29 GND (AUDIO)
30 AUDIO OUT (R)
31 AUDIO (MIX OUT)
33 TUNER (N)
35 GND (AV)
36 EDIT TRIG Ⓛ
37 PRE ROLL Ⓗ
38 S.DATA
39 S.CLK
40 SYSTEM CTL 5V
INPUT/OUTPUT PACK C.B.A. ⚠
(VEP04330A: NV-F75EG)
(VEP04330C: NV-F75B)
(VEP04330B: NV-F75EB)
C3004 0.01
R3006 3300
R3041 2200
R3053 2200
R3042 10K
QR3016 MRN1403 (BUFFER)
QR3015 MRN1403 (AMP)
C3042 1000P
22K
D3011 MA27W
1 REG 5V
2 CONV OUT
3 TEST ON Ⓗ
4 GND
5 VIDEO OUT
L3611 100µ
L3612 100µ
R3632 1000
(NV-F75EG/EB) ONLY
FL3601 VLF0413
NV-F75B ONLY
(PHASE COMPENSATOR)
Q3610 2SD601
R3634 1500
R3633 3900
C3635 16V10
C3636 16V10
R3635 1500
R3636 560
C3637 16V10
C3638 3300P
C3639 3300P
D3608 MA165
IC3602 BA7004
(TEST SIGNAL GENERATOR)
TEST SIG
OSC 500KHz
VCC
GND
X3601 VSX0099
SP
LP
AMP
ENV DET
AMP
AUTO TRACK GAIN
VR3020 5KB
C3030 50V1
C3031 0.01
C3032 6V47
C3033 0.01
C3034 0.22
R3026 2200
R3027 10K
R3028 3300
R3030 5600
L3010 100µ
Q3007 MSD601 (FEEDBACK CONTROL)

TEST SIGNAL PACK C.B.A (VEP03610A:NV-F75EG/EB)(VEP3610B:NV-F75B)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

7 8 9 10

3-16. LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03847A: NV-F75EG) (VEP03847C: NV-F75B) (VE

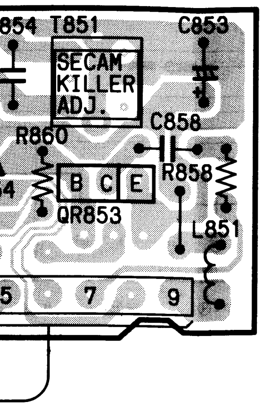

DDR SECAM PACK C.B.A. (VEP03452G: NV-F75EG)

LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03847A: NV-F75EG) (VEP03847C: NV-F75B) (VEP03847B: NV-F75

D
C
B
A
1
2
3
4
C851
FL851
C855
C854
T851
C853
SECAM KILLER ADJ.
R853
R855
IC851
C858
R860
R858
C852
C856
R852
R854
QR853
R856
R851
L851
C818
Q804
R806
QR807
QR806
QR804
FL801
R832
R846
(NV-F75EG)
R844
R838
D803
X801
R321
D303
IC302
C833
C836
C845
C801
R839
C832
QR305
C831
QR301
C828
R848
R807
R810
Q802
C808
R812
VR801
VR802
C.BALANCE
C.PHASE
R811
L805
L806
DL801
L811
L810
C829
DL802
R801
R819
R817
L804
R843
R841
C805
C804
L803
L802
L812
L801

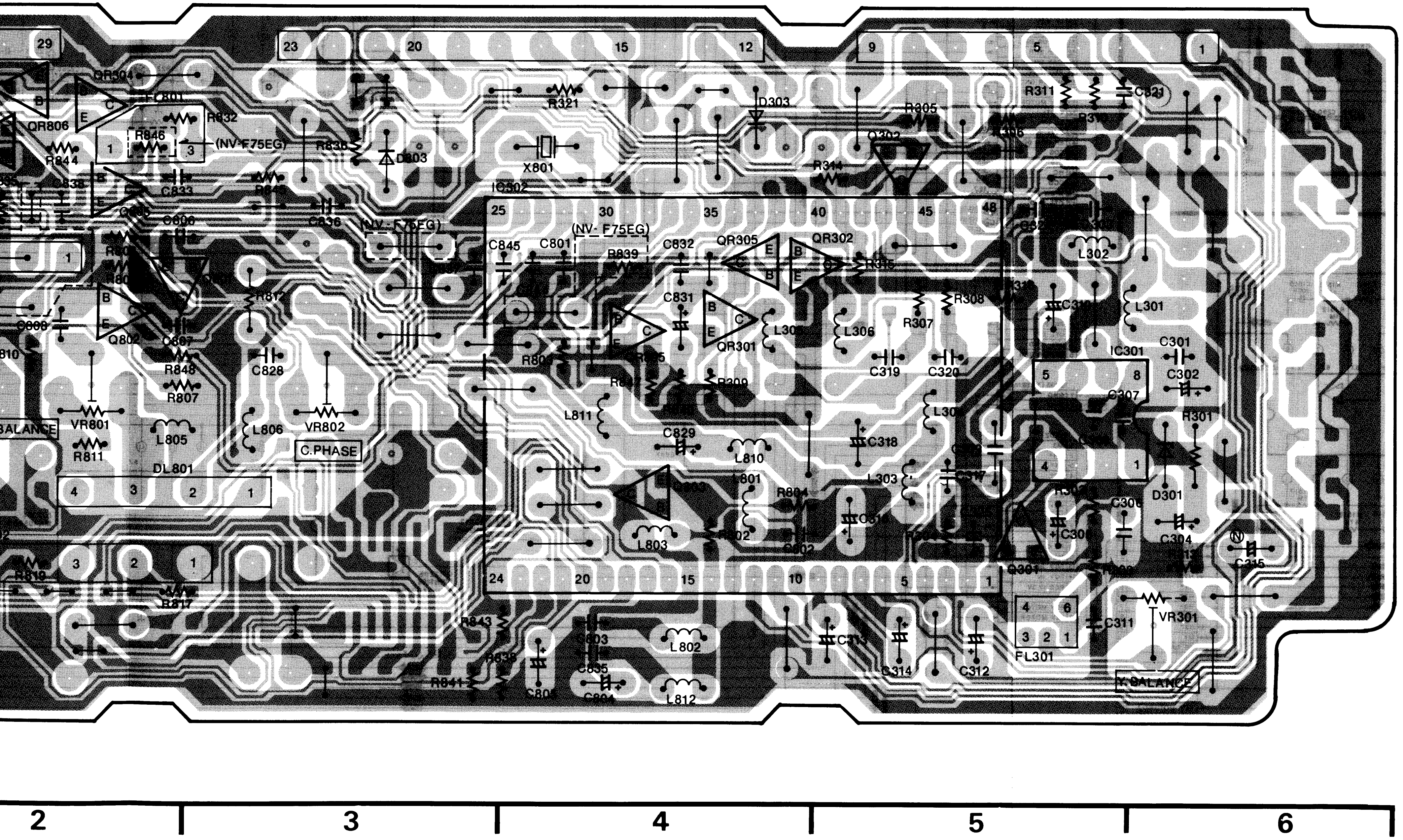
PACK C.B.A. (VEP03847A: NV-F75EG) (VEP03847C: NV-F75B) (VEP03847B: NV-F75EB)

EP03452G: NV-F75EG)



654
T851
C853
SECAM KILLER ADJ.
C858
R860
R858
B C E
QR853
L851
5
7
9

PACK C.B.A. (VEP03847A: NV-F75EG) (VEP03847C: NV-F75B) (VEP03847B: NV-F75EB)

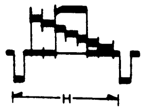
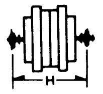
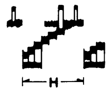
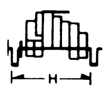
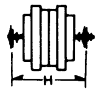
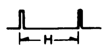
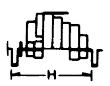
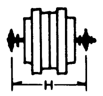
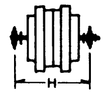
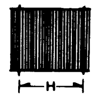
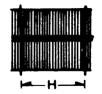
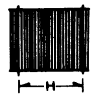
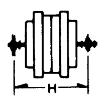
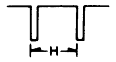
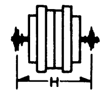
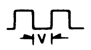
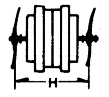
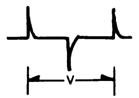
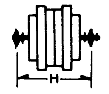
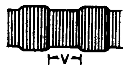
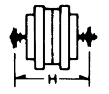
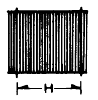


29
23
20
15
12
9
5
1
QR304
QR806
QR805
R832
R846
(NV-F75EG)
R844
C833
C836
R836
D803
D302
R321
D303
R305
R311
C321
X801
IC302
R314
Q302
25
30
35
40
45
48
(NV-F75EG)
C845
C801
(NV-F75EG)
R839
C832
QR305
QR302
L302
R308
R307
C831
QR301
L304
L306
C319
C320
IC301
C301
C302
L301
C310
R301
C307
Q802
C807
R848
R807
C828
VR801
R811
L805
L806
VR802
C.PHASE
BALANCE
DL801
4
3
2
1
L811
C829
L810
L801
C318
L303
C317
D301
C306
C305
C304
C315
L803
R804
R802
C802
C313
Q301
24
20
15
10
5
1
R819
R817
R843
R838
R841
C803
C805
C804
L802
L812
C808
C314
C312
FL301
VR301
C311
Y.BALANCE
2
3
4
5
6

LUMINANCE & CHROMINANCE PACK C.B.A.	
Transistor	
Q301	A-5
Q302	C-5
Q801	B-3
Q802	B-2
Q803	B-4
Q804	C-1
Q805	B-2
Transistor & Resistor	
QR301	B-4
QR302	B-5
QR304	C-2
QR305	B-4
QR805	B-4
QR806	C-2
QR807	C-2
QR853	D-2
Integrated Circuit	
IC301	B-5
IC302	C-4
IC851	D-2
Adjustment	
VR301	A-6
VR801	B-2
VR802	B-3
T851	D-2

ADDRESS INFORMATION

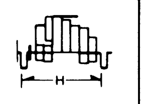
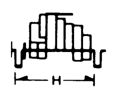
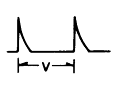
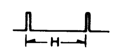
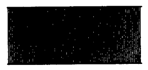
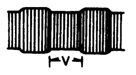
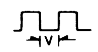
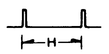
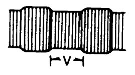
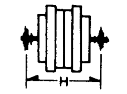
IC302 (VEFH14D)

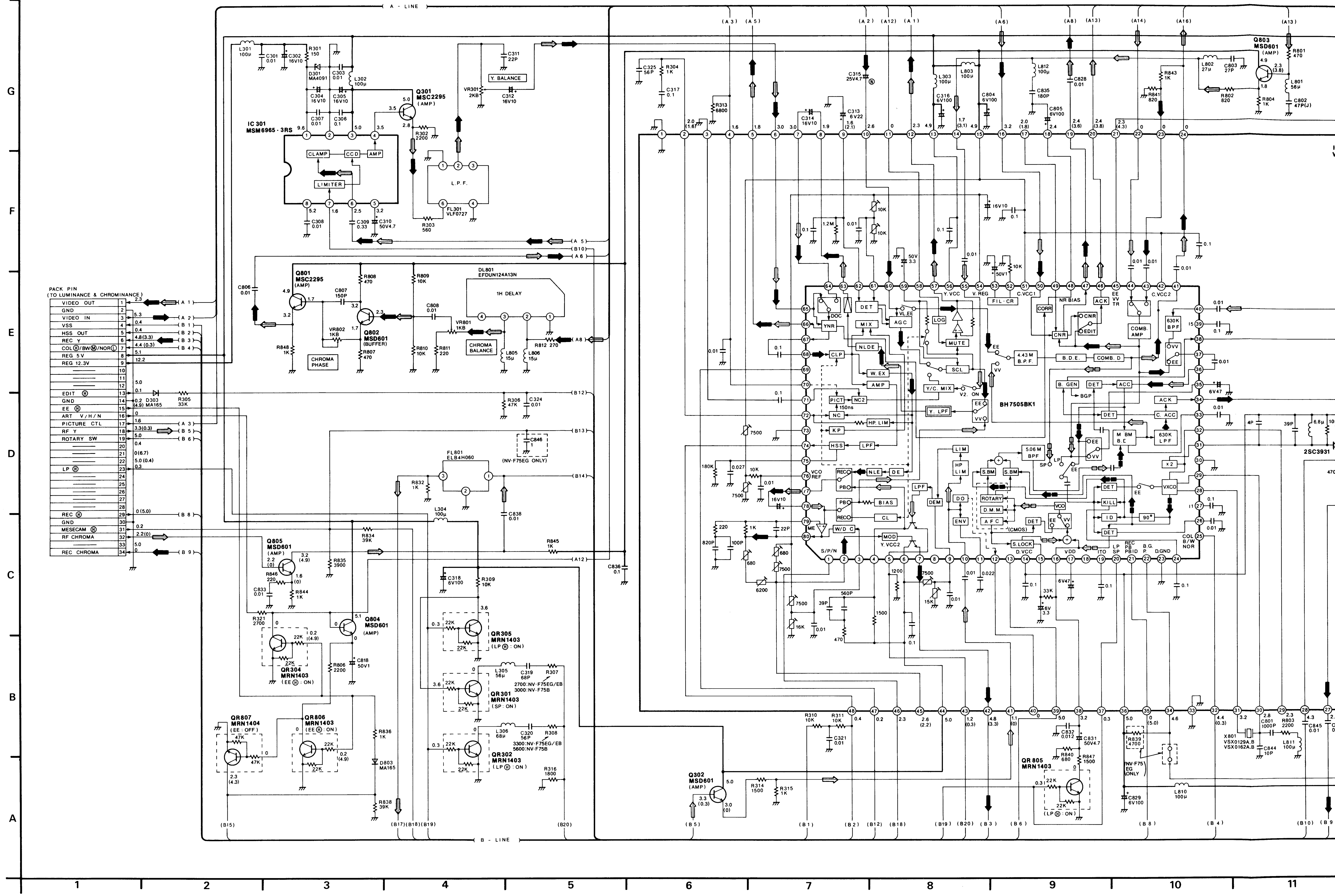
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
5 6 7 8	 0.45Vp-p (REC/P.B)	24	 1.0Vp-p (REC) 0.8Vp-p (P.B)	43	 0.4Vp-p (P.B)
10	 1.2Vp-p (REC/P.B)	26	 0.5Vp-p (REC/P.B)	48	 5.0Vp-p (REC/P.B)
12	 2.2Vp-p (REC/P.B)	27	 0.7Vp-p (REC)		
14	 0.3Vp-p (P.B)	28 29	 0.5Vp-p (REC/P.B)		
17	 0.26Vp-p (REC)	30 31	 0.24Vp-p (REC/P.B)		
19	 0.9Vp-p (P.B)	34	 5.0Vp-p (REC/P.B)		
20	 0.7Vp-p (P.B)	39	 5.0Vp-p (REC/P.B)		
21	 0.07Vp-p (P.B)	40	 0.5Vp-p (REC/P.B)		
22	 0.24Vp-p (REC) 0.15Vp-p (P.B)	41	 0.6Vp-p (P.B)		
23	 0.4Vp-p (REC) 0.3Vp-p (P.B)	42	 0.8Vp-p (REC)		

3-17. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

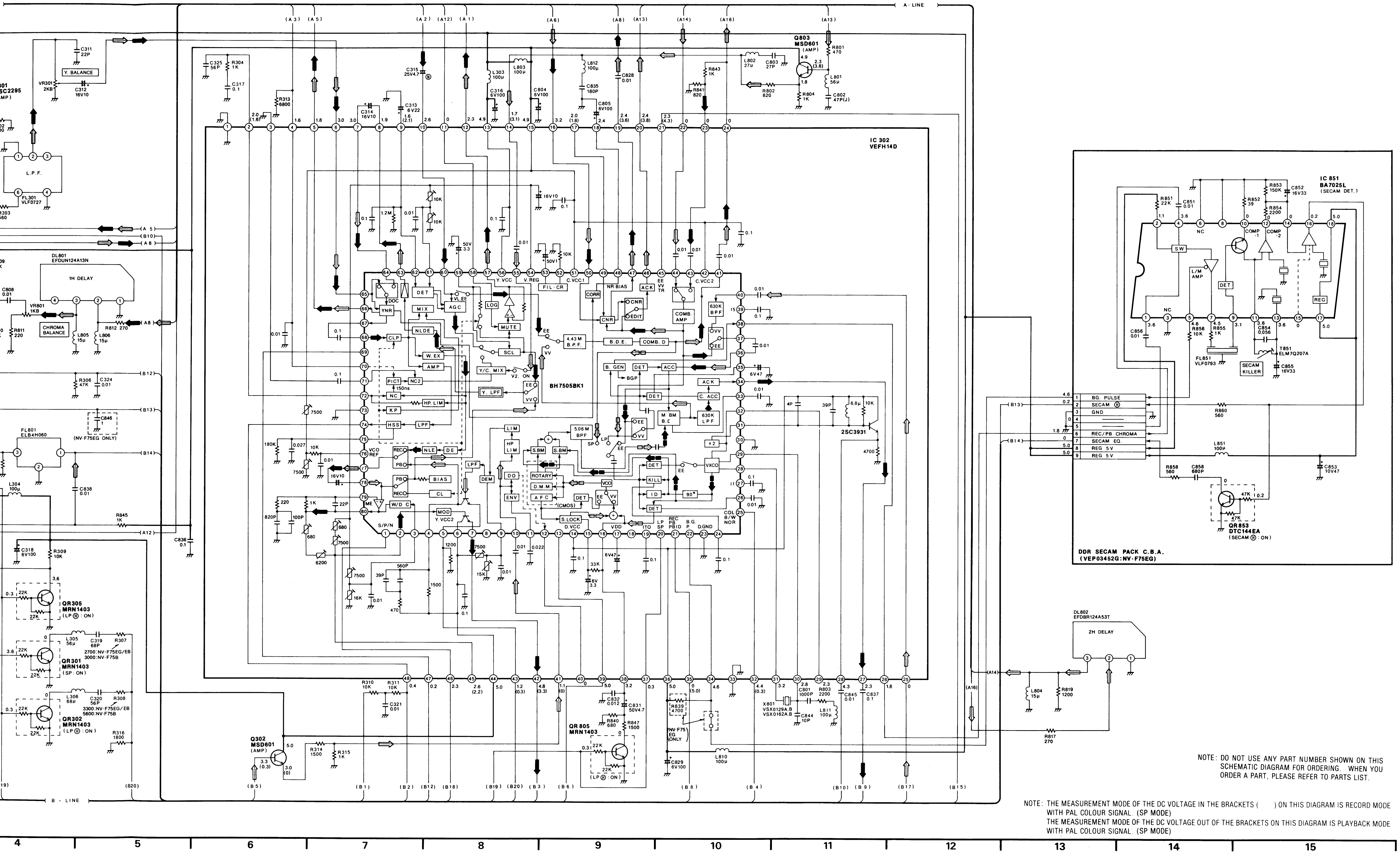
- ⬅ MAIN SIGNAL PATH IN REC MODE
- ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE
- ⬅■ 5.06MHz PHASE ROTATIONAL
- ⇦□ 5.06MHz PHASE ROTATIONAL

LUMINANCE & CHROMINANCE PACK PIN

PIN NO.	WAVEFORM
1	 2.2Vp-p (REC/P.B)
3	 1.0Vp-p (REC/P.B)
4	 2.0Vp-p (REC/P.B)
5	 5.0Vp-p (REC/P.B)
6	 0.8Vp-p (REC)
18	 0.9Vp-p (P.B)
19	 5.0Vp-p (REC/P.B)
20	 4.8Vp-p (REC/P.B)
32	 0.2Vp-p (P.B)
34	 0.7Vp-p (REC)


A - LINE
B - LINE
IC 301 MSM6965-3RS
CLAMP
CCD
AMP
LIMITER
L.P.F.
FL301 VLF0727
Q301 MSC2295 (AMP)
Y. BALANCE
VR301 2KB
Q801 MSC2295 (AMP)
Q802 MSD601 (BUFFER)
VR802 1KB
CHROMA PHASE
DL801 EFDUN124A13N
1H DELAY
VR801 1KB
CHROMA BALANCE
FL801 ELB4H060
PACK PIN (TO LUMINANCE & CHROMINANCE)
VIDEO OUT
GND
VIDEO IN
VSS
HSS OUT
REC Y
COL Ⓗ/BW Ⓜ/NOR Ⓛ
REG 5V
REG 12.3V
EDIT Ⓗ
GND
EE Ⓗ
ART V/H/N
PICTURE CTL
RF Y
ROTARY SW
LP Ⓗ
REC Ⓗ
GND
MESECAM Ⓗ
RF CHROMA
REC CHROMA
D303 MA165
(NV-F75EG ONLY)
Q805 MSD601 (AMP)
Q804 MSD601 (AMP)
QR304 MRN1403 (EE Ⓗ : ON)
QR807 MRN1404 (EE : OFF)
QR806 MRN1403 (EE Ⓗ : ON)
D803 MA165
QR305 MRN1403 (LP Ⓗ : ON)
QR301 MRN1403 (SP : ON)
QR302 MRN1403 (LP Ⓗ : ON)
2700 : NV-F75EG/EB
3000 : NV-F75B
3300 : NV-F75EG/EB
5600 : NV-F75B
Q302 MSD601 (AMP)
BH7505BK1
Y. VCC
V. REG
FIL-CR
C. VCC1
C. VCC2
NR BIAS
CORR
CNR
ACK
DET
YNR
DOC
MIX
AGC
LOG
MUTE
NLDE
CLP
W. EX
AMP
PICT
NC2
NC
HP. LIM
KP
HSS
LPF
Y/C. MIX
Y. LPF
SCL
4.43M B.P.F
B.D.E.
COMB. D
COMB. AMP
630K BPF
B. GEN
BGP
ACC
C. ACC
630K LPF
M BM B.C
5.06M BPF
LIM
HP LIM
S.BM
ROTARY
D.M.M.
AFC
(CMOS)
VCO
VXCO
KILL
ID
90°
x2
RECO
PB
BIAS
CL
W/D C
MOD
Y. VCC2
DEM
DO
ENV
S.LOCK
D.VCC
VDD
S/P/N
COL B/W NOR
QR805 MRN1403 (LP Ⓗ : ON)
Q803 MSD601 (AMP)
2SC3931
X801 VSX0129A.B VSX0162A.B
NV-F75 EG ONLY
1 2 3 4 5 6 7 8 9 10 11
G F E D C B A

MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE
5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE


A-LINE
B-LINE
IC 302
VEFH14D
BH7505BK1
Q803
MSD601
(AMP)
Q302
MSD601
(AMP)
QR 805
MRN1403
(LP Ⓗ : ON)
QR305
MRN1403
(LP Ⓗ : ON)
QR301
MRN1403
(SP : ON)
QR302
MRN1403
(LP Ⓗ : ON)
2SC3931
Y. BALANCE
L.P.F.
FL301
VLF0727
DL801
EFDUN124A13N
1H DELAY
CHROMA BALANCE
FL801
ELB4H060
(NV-F75EG ONLY)
X801
VSX0129A.B
VSX0162A.B
IC 851
BA7025L
(SECAM DET.)
FL851
VLF0793
T851
ELM7Q207A
SECAM KILLER
BG. PULSE
SECAM Ⓗ
GND
REC/PB CHROMA
SECAM EQ.
REG. 5V
REG. 5V
QR853
DTC144EA
(SECAM Ⓗ : ON)
DDR SECAM PACK C.B.A.
(VEP03452G : NV-F75EG)
DL802
EFDBR124A53T
2H DELAY
4
5
6
7
8
9
10
11
12
13
14
15

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

Next Page:
HEAD AMP Section

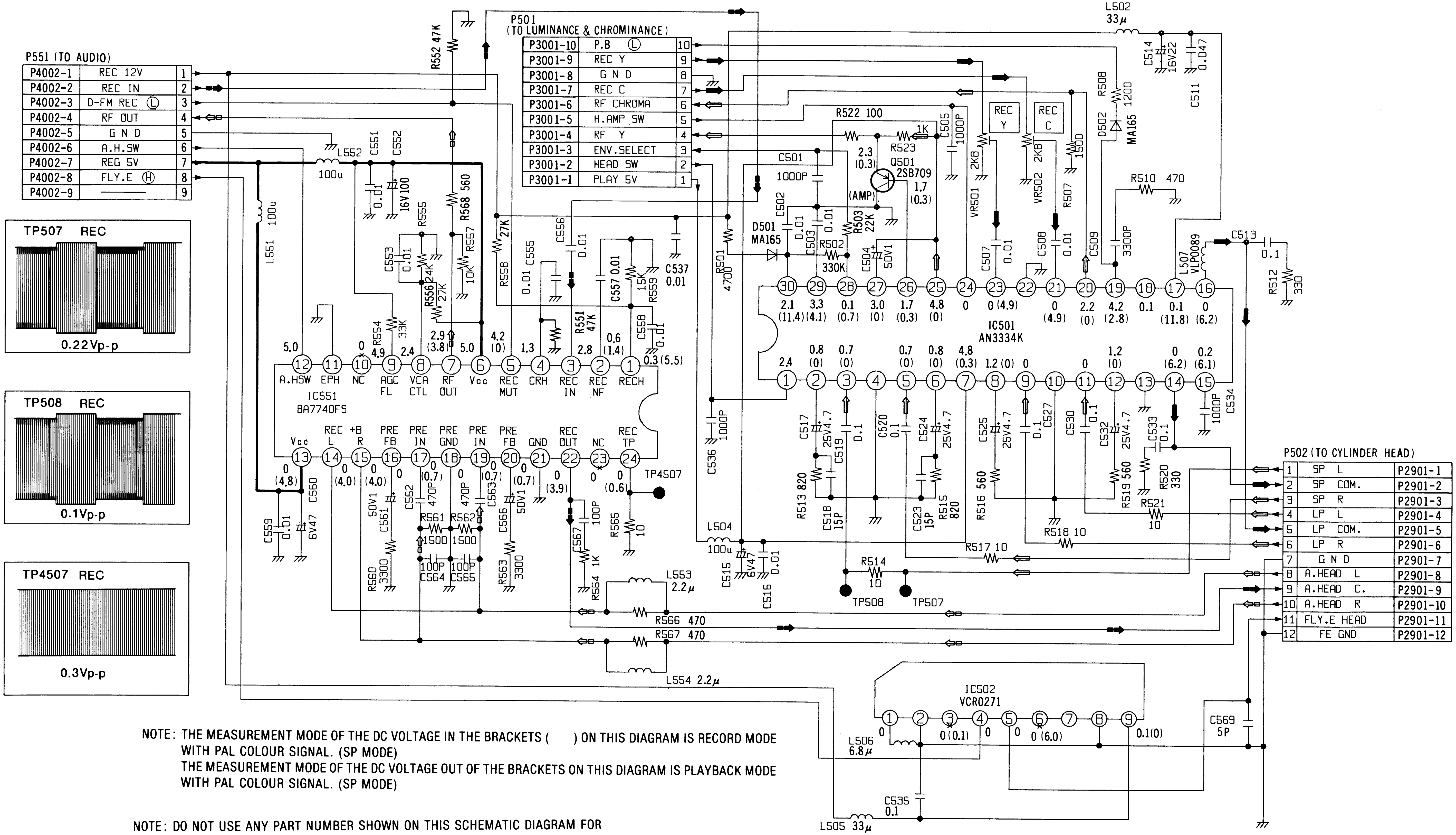
3-18. HEAD AMP SCHEMATIC DIAGRAM

⬅ VIDEO MAIN SIGNAL PATH IN REC MODE

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

⬅■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE

⇦□ Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


P551 (TO AUDIO)
P4002-1 REC 12V 1
P4002-2 REC IN 2
P4002-3 D-FM REC Ⓛ 3
P4002-4 RF OUT 4
P4002-5 GND 5
P4002-6 A.H.SW 6
P4002-7 REG 5V 7
P4002-8 FLY.E Ⓗ 8
P4002-9 ——— 9
P501 (TO LUMINANCE & CHROMINANCE)
P3001-10 P.B Ⓛ 10
P3001-9 REC Y 9
P3001-8 GND 8
P3001-7 REC C 7
P3001-6 RF CHROMA 6
P3001-5 H.AMP SW 5
P3001-4 RF Y 4
P3001-3 ENV.SELECT 3
P3001-2 HEAD SW 2
P3001-1 PLAY 5V 1
P502 (TO CYLINDER HEAD)
1 SP L P2901-1
2 SP COM. P2901-2
3 SP R P2901-3
4 LP L P2901-4
5 LP COM. P2901-5
6 LP R P2901-6
7 GND P2901-7
8 A.HEAD L P2901-8
9 A.HEAD C. P2901-9
10 A.HEAD R P2901-10
11 FLY.E HEAD P2901-11
12 FE GND P2901-12
TP507 REC
0.22Vp-p
TP508 REC
0.1Vp-p
TP4507 REC
0.3Vp-p
IC551
BA7740FS
A.HSW EPH NC AGC FL VCA CTL RF OUT Vcc REC MUT CRH REC IN REC NF RECH
Vcc REC L +B R PRE FB PRE IN PRE GND PRE IN PRE FB GND REC OUT NC REC TP
IC501
AN3334K
IC502
VCR0271
Q501
2SB709
(AMP)
D501
MA165
D502
MA165
REC Y
REC C
VR501 2K8
VR502 2K8
L502 33μ
L551 100u
L552 100u
L553 2.2μ
L554 2.2μ
L504 100u
L505 33μ
L506 6.8μ
L507 VLP0089
R552 47K
R568 560
R557 10K
R555
R556 27K
R554 33K
R558 27K
R551 47K
R559 15K
R560 3300
R561 1500
R562 1500
R563 3300
R564 1K
R565 10
R566 470
R567 470
R501 4700
R502 330K
R503 22K
R507 1500
R508 1200
R510 470
R512 330
R513 820
R514 10
R515 820
R516 560
R517 10
R518 10
R519 560
R520 330
R521 10
R522 100
R523 1K
C551 0.01
C552 16V100
C553 0.01
C555 0.01
C556 0.01
C557 0.01
C558 0.01
C537 0.01
C559 0.01
C560 6V47
C561 50V1
C562 470P
C563 470P
C564 100P
C565 100P
C566 50V1
C567 100P
C501 1000P
C502 0.01
C503 0.01
C504 50V1
C505 1000P
C507 0.01
C508 0.01
C509 3300P
C511 0.047
C513 0.1
C514 16V22
C515 6V47
C516 0.01
C517 25V4.7
C518 15P
C519 0.1
C520 0.1
C523 15P
C524 25V4.7
C525 25V4.7
C527 0.1
C530 0.1
C532 25V4.7
C533 0.1
C534 1000P
C535 0.1
C536 1000P
C569 5P
TP4507
TP508
TP507
5.0 0 4.9 2.4 2.9 (3.8) 5.0 4.2 (0) 1.3 2.8 0.6 (1.4) 0.3 (5.5)
0 (4.8) 0 (4.0) 0 (4.0) 0 (0.7) 0 (0.7) 0 (0.7) 0 (3.9) 0 0 (0.6)
2.1 (11.4) 3.3 (4.1) 0.1 (0.7) 3.0 (0) 1.7 (0.3) 4.8 (0) 0 0 (4.9) 0 (4.9) 2.2 (0) 4.2 (2.8) 0.1 0.1 (11.8) 0 (6.2)
2.4 0.8 (0) 0.7 (0) 0.7 (0) 0.8 (0) 4.8 (0.3) 1.2 (0) 0 0 1.2 (0) 0 (6.2) 0.2 (6.1)
2.3 (0.3) 1.7 (0.3)
0 0 (0.1) 0 0 0 (6.0) 0.1 (0)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

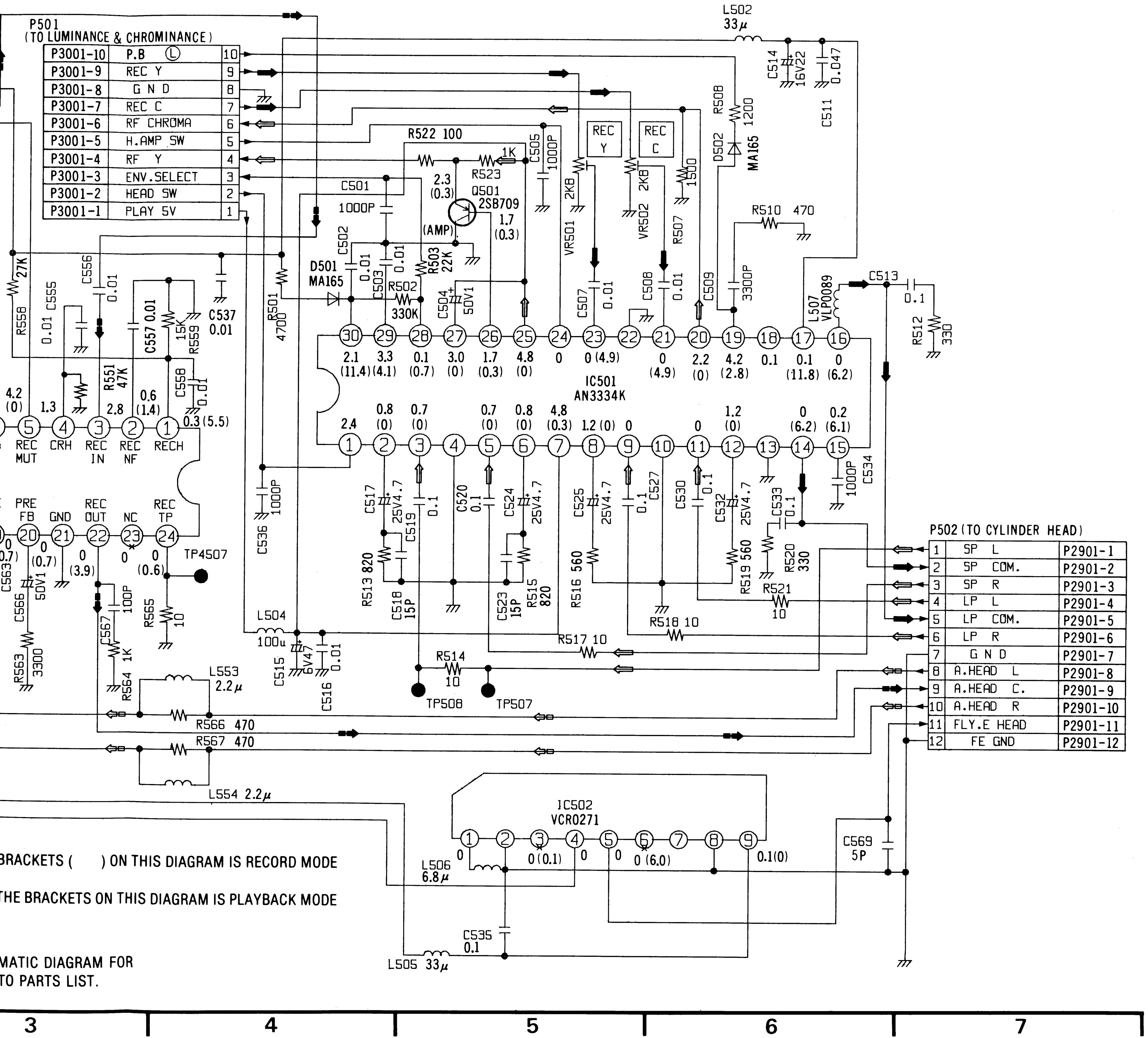
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

VIDEO MAIN SIGNAL PATH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

◀■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE

◁□ Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


P501
(TO LUMINANCE & CHROMINANCE)
P3001-10 P.B Ⓛ 10
P3001-9 REC Y 9
P3001-8 GND 8
P3001-7 REC C 7
P3001-6 RF CHROMA 6
P3001-5 H.AMP SW 5
P3001-4 RF Y 4
P3001-3 ENV.SELECT 3
P3001-2 HEAD SW 2
P3001-1 PLAY 5V 1
L502 33μ
C514 16V22
C511 0.047
R508 1200
D502 MA165
R522 100
R523 1K
Q501 2SB709
(AMP)
C505 1000P
REC Y
REC C
VR501 2KB
VR502 2KB
R507 1500
R510 470
C501 1000P
C502 0.01
C503 0.01
R503 22K
D501 MA165
R502 330K
C504 50V1
C507 0.01
C508 0.01
C509 3300P
L507 VLP0089
C513 0.1
R512 330
R558 27K
C555 0.01
C556 0.01
C557 0.01
R559 15K
C537 0.01
R501 4700
R551 47K
C558 0.01
IC501 AN3334K
REC MUT
CRH
REC IN
REC NF
RECH
PRE FB
GND
REC OUT
NC
REC TP
TP4507
C536 1000P
C534 1000P
C517 25V4.7
C519 0.1
C520 0.1
C524 25V4.7
C525 25V4.7
C527 0.1
C530 0.1
C532 25V4.7
C533 0.1
R513 820
C518 15P
C523 15P
R515 820
R516 560
R519 560
R520 330
R521 10
R518 10
R517 10
R514 10
TP508
TP507
L504 100u
C515 6V47
C516 0.01
C563 50V1
C566 3300
R563 3300
C567 100P
R564 1K
R565 10
L553 2.2μ
R566 470
R567 470
L554 2.2μ
P502 (TO CYLINDER HEAD)
1 SP L P2901-1
2 SP COM. P2901-2
3 SP R P2901-3
4 LP L P2901-4
5 LP COM. P2901-5
6 LP R P2901-6
7 GND P2901-7
8 A.HEAD L P2901-8
9 A.HEAD C. P2901-9
10 A.HEAD R P2901-10
11 FLY.E HEAD P2901-11
12 FE GND P2901-12
IC502 VCR0271
L506 6.8μ
C535 0.1
L505 33μ
C569 5P
3
4
5
6
7

BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE

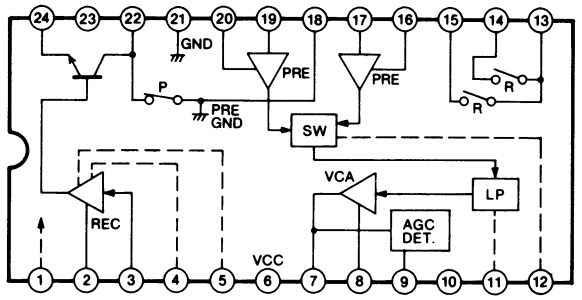
THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

MATIC DIAGRAM FOR

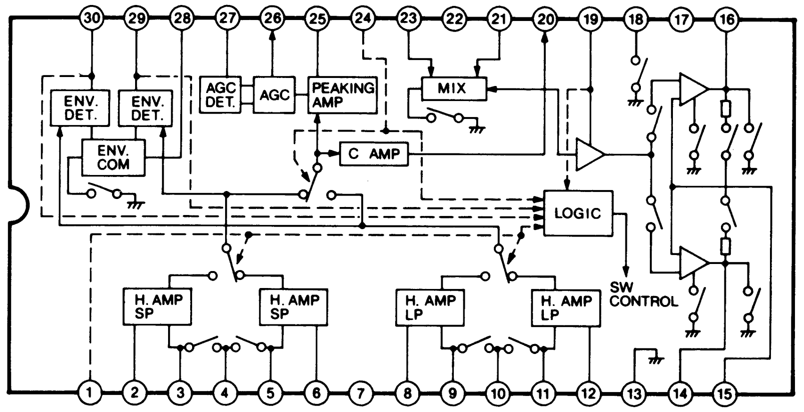
TO PARTS LIST.

IC BLOCK

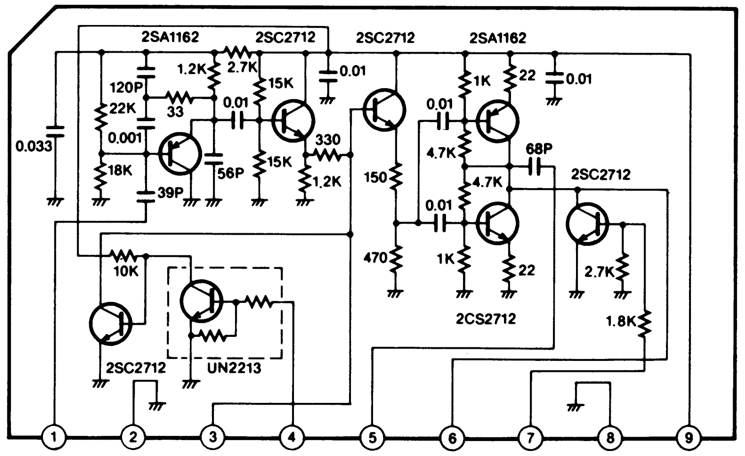
IC551 (BA7740FS)


GND
PRE
PRE
P
PRE GND
R
R
SW
VCA
LP
REC
AGC DET.
VCC

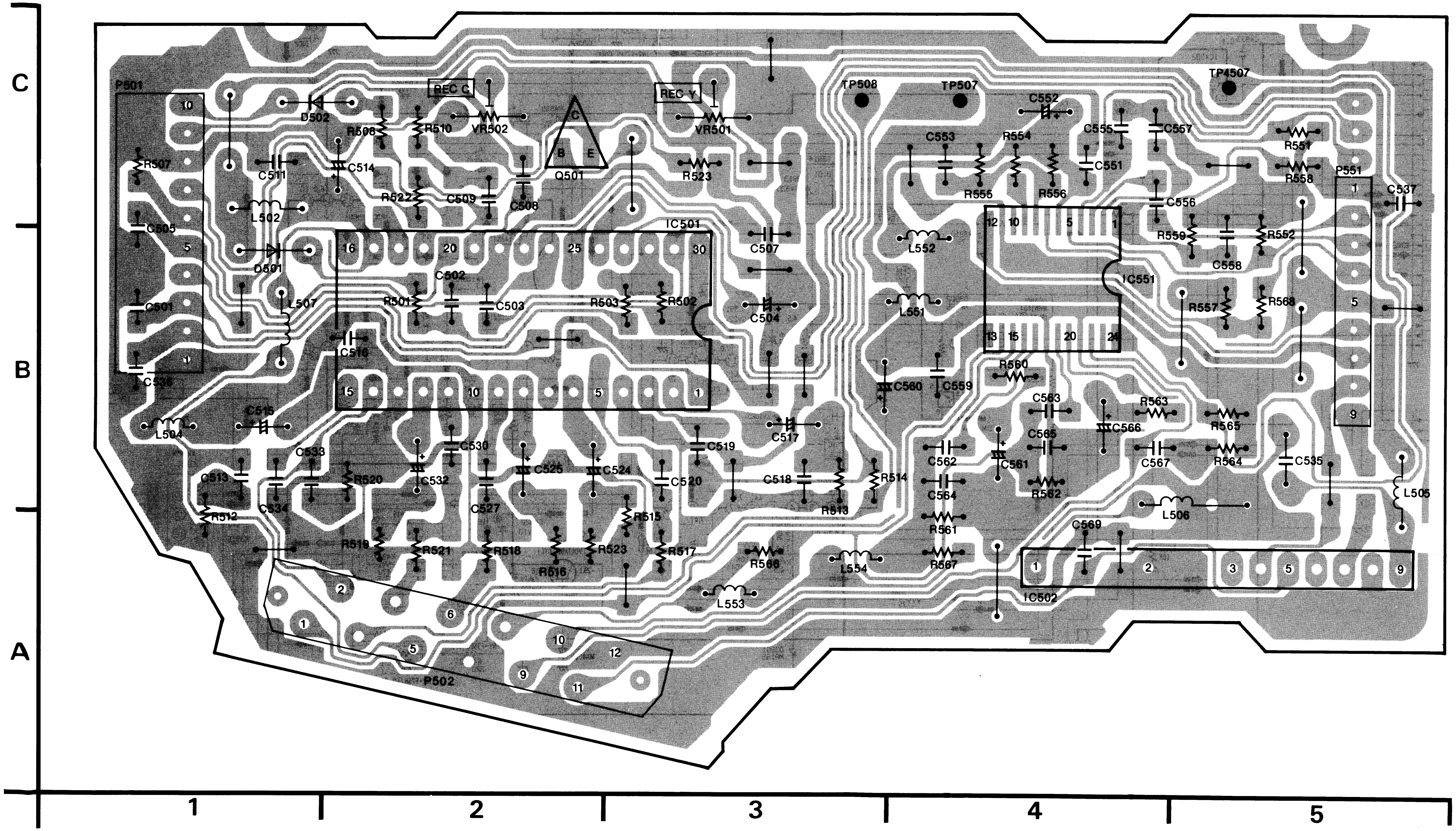
IC501 (AN3334K)


ENV. DET.
ENV. DET.
ENV. COM
AGC DET.
AGC
PEAKING AMP
MIX
C AMP
LOGIC
H. AMP SP
H. AMP SP
H. AMP LP
H. AMP LP
SW CONTROL

IC502 (VCR0271)


2SA1162
2SC2712
2SC2712
2SA1162
2SC2712
2SC2712
2SC2712
UN2213
0.033
120P
22K
0.001
18K
39P
1.2K
2.7K
33
56P
15K
15K
0.01
0.01
330
1.2K
150
470
1K
1K
22
0.01
4.7K
4.7K
68P
22
2.7K
1.8K
10K

3-19. HEAD AMP C.B.A. (VEP05134B)


C
B
A
1
2
3
4
5
P501
10
5
1
D502
REC C
R508
R510
VR502
Q501
B
C
E
REC Y
VR501
R523
TP508
TP507
C552
TP4507
R507
C511
C514
R522
C509
C508
C553
R554
C555
C557
C551
R551
R558
P551
C537
L502
C505
D501
L507
C501
C536
IC501
16
20
25
30
15
10
5
1
C502
R501
C503
R503
R502
C507
C504
C516
L552
R555
R556
C556
R559
R552
C558
IC551
12
10
5
1
13
15
20
24
L551
R557
R568
C560
C559
R560
C515
L504
C533
C513
C534
R512
R520
C532
C530
C525
C524
C527
C520
C519
C517
C518
R514
R513
R515
R519
R521
R518
R516
R523
R517
R566
L553
L554
C562
C564
R561
R567
C563
C565
C561
R562
C566
R563
R565
C567
R564
C535
L505
L506
C569
IC502
2
3
9
P502
1
2
5
6
9
10
11
12

HEAD AMP C.B.A.	
Transistor	
Q501	C-2
Integrated Circuit	
IC501	B-3
IC502	A-4
IC551	B-4
Test Point	
TP507	C-4
TP508	C-3
TP4507	C-5
Adjustment	
VR501	C-3
VR502	C-2
Connector	
P501	C-1
P502	A-2
P551	C-5

ADDRESS INFORMATION

www.manualscenter.com

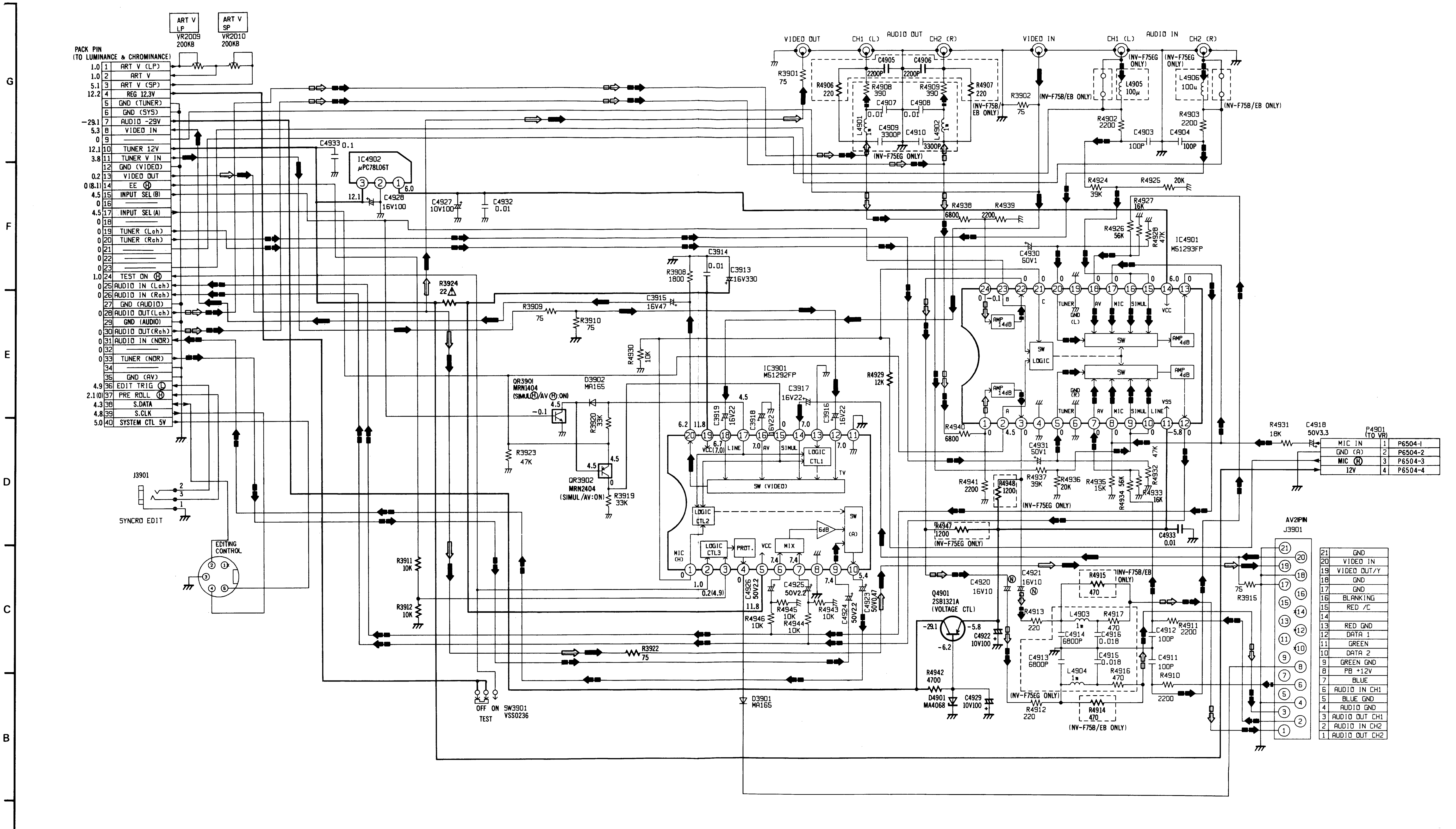
3-20. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

⬅ VIDEO MAIN SIGNAL PATH IN REC MODE

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

⬅■ AUDIO MAIN SIGNAL PATH IN REC MODE

⇦□ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

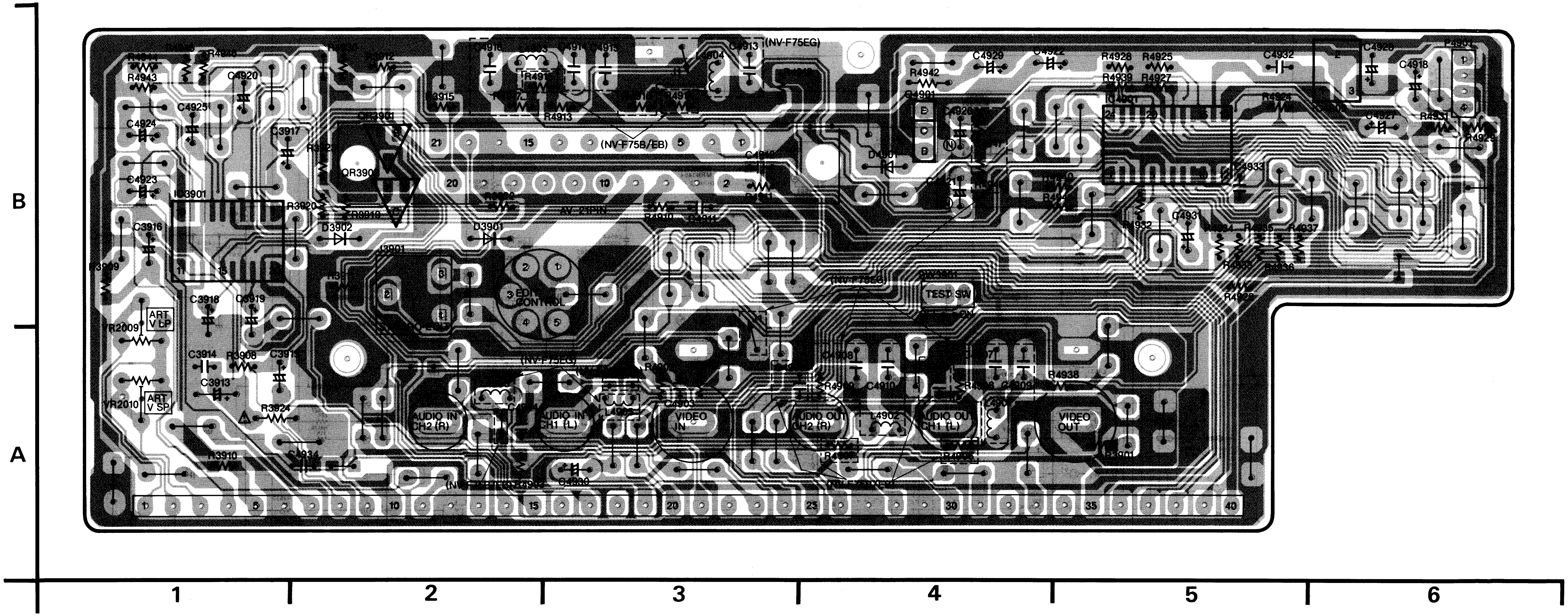

G
F
E
D
C
B
A
ART V LP
VR2009 200KB
ART V SP
VR2010 200KB
PACK PIN (TO LUMINANCE & CHROMINANCE)
1.0 1 ART V (LP)
1.0 2 ART V
5.1 3 ART V (SP)
12.2 4 REG 12.3V
5 GND (TUNER)
6 GND (SYS)
−29.1 7 AUDIO −29V
5.3 8 VIDEO IN
0 9
12.1 10 TUNER 12V
3.8 11 TUNER V IN
12 GND (VIDEO)
0.2 13 VIDEO OUT
0 (8.1) 14 EE Ⓗ
4.5 15 INPUT SEL (B)
0 16
4.5 17 INPUT SEL (A)
0 18
0 19 TUNER (Lch)
0 20 TUNER (Rch)
0 21
0 22
0 23
1.0 24 TEST ON Ⓗ
0 25 AUDIO IN (Lch)
0 26 AUDIO IN (Rch)
27 GND (AUDIO)
0 28 AUDIO OUT (Lch)
29 GND (AUDIO)
0 30 AUDIO OUT (Rch)
0 31 AUDIO IN (NOR)
0 32
0 33 TUNER (NOR)
34
35 GND (AV)
4.9 36 EDIT TRIG Ⓛ
2.1 (0) 37 PRE ROLL Ⓗ
4.3 38 S.DATA
4.8 39 S.CLK
5.0 40 SYSTEM CTL 5V
J3901
SYNCRO EDIT
EDITING CONTROL
IC4902 μPC78L06T
C4933 0.1
C4928 16V100
C4927 10V100
C4932 0.01
R3924 22 ⚠
R3909 75
R3910 75
R4930 10K
QR3901 MRN1404 (SIMUL Ⓗ/AV Ⓗ ON)
D3902 MA165
R3920 33K
R3923 47K
QR3902 MRN2404 (SIMUL/AV:ON)
R3919 33K
R3911 10K
R3912 10K
R3922 75
OFF ON SW3901 VSS0236
TEST
D3901 MA165
C3914
R3908 1800
C3913 16V330
C3915 16V47
IC3901 M51292FP
C3917 16V22
C3919 16V22
C3918 16V22
C3916 16V22
SW (VIDEO)
LOGIC CTL1
LOGIC CTL2
LOGIC CTL3
PROT.
MIX
6dB
SW (A)
MIC (H)
C4926 50V2.2
C4925 50V2.2
R4945 10K
R4944 10K
R4946 10K
R4943 10K
C4924 50V2.2
C4923 50V0.47
VIDEO OUT
AUDIO OUT CH1 (L) CH2 (R)
VIDEO IN
AUDIO IN CH1 (L) CH2 (R)
R3901 75
C4905 2200P
C4906 2200P
R4906 220
R4908 390
R4909 390
R4907 220
C4907 0.01
C4908 0.01
L4901
L4902
C4909 3300P
C4910 3300P
(NV-F75EG ONLY)
(NV-F75B/EB ONLY)
R3902 75
L4905 100μ
L4906 100μ
R4902 2200
R4903 2200
C4903 100P
C4904 100P
R4924 39K
R4925 20K
R4927 16K
R4926 56K
R4928 47K
R4938 6800
R4939 2200
C4930 50V1
IC4901 M51293FP
SW LOGIC
AMP 14dB
AMP 4dB
SW
TUNER GND (L)
AV MIC SIMUL LINE VCC VSS
R4929 12K
R4940 6800
C4931 50V1
R4941 2200
R4948 1200
R4937 39K
R4936 20K
R4935 15K
R4934 56K
R4932 47K
R4933 16K
R4947 1200
C4933 0.01
R4931 18K
C4918 50V3.3
P4901 (TO VR)
MIC IN 1 P6504-1
GND (A) 2 P6504-2
MIC Ⓗ 3 P6504-3
12V 4 P6504-4
C4920 16V10
C4921 16V10
Q4901 2SB1321A (VOLTAGE CTL)
C4922 10V100
R4942 4700
D4901 MA4068
C4929 10V100
R4913 220
R4915 470
L4903 1m
R4917 470
C4914 6800P
C4916 0.018
C4913 6800P
C4915 0.018
L4904 1m
R4916 470
R4912 220
R4914 470
C4912 100P
R4911 2200
C4911 100P
R4910 2200
R3915 75
AV21PIN J3901
21 GND
20 VIDEO IN
19 VIDEO OUT/Y
18 GND
17 GND
16 BLANKING
15 RED /C
14
13 RED GND
12 DATA 1
11 GREEN
10 DATA 2
9 GREEN GND
8 PB +12V
7 BLUE
6 AUDIO IN CH1
5 BLUE GND
4 AUDIO GND
3 AUDIO OUT CH1
2 AUDIO IN CH2
1 AUDIO OUT CH2

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

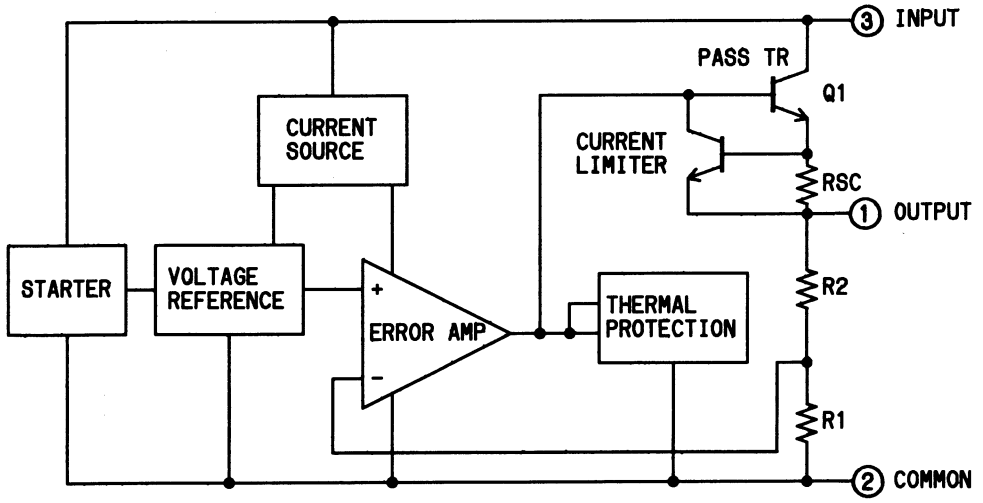
3-21. INPUT/OUTPUT PACK C.B.A. (VEP04330A: NV-F75EG) (VEP04330C: NV-F75B) (VEP04330B: NV-F75EB)


B
A
1
2
3
4
5
6
IC3901
QR3901
QR3902
D3902
D3901
L3901
EDIT CONTROL
AV 21PIN
(NV-F75EG)
(NV-F75B/EB)
TEST SW
ART V LP
ART V SP
VR2009
VR2010
AUDIO IN CH2 (R)
AUDIO IN CH1 (L)
VIDEO IN
AUDIO OUT CH2 (R)
AUDIO OUT CH1 (L)
VIDEO OUT
IC4901
IC4902
Q4901
D4901
P4901
C4929
C4922
C4932
C4926
C4918
R4928
R4925
R4939
R4927
R4942
C4920
C4925
C4924
C4923
C3916
C3917
C3918
C3919
C3914
C3913
R3908
R3924
R3910
C4934
R4943
R4944
R4940
R3920
R3919
C4913
C4904
C4916
R4913
R4915
C4931
C4933
R4932
R4934
R4935
R4937
R4936
R4938
C4908
C4909
C4910
C4903
L4902
C4927
R4924
1
5
10
15
20
25
30
35
40

IC BLOCK

IC4902 (μPC78L06T)

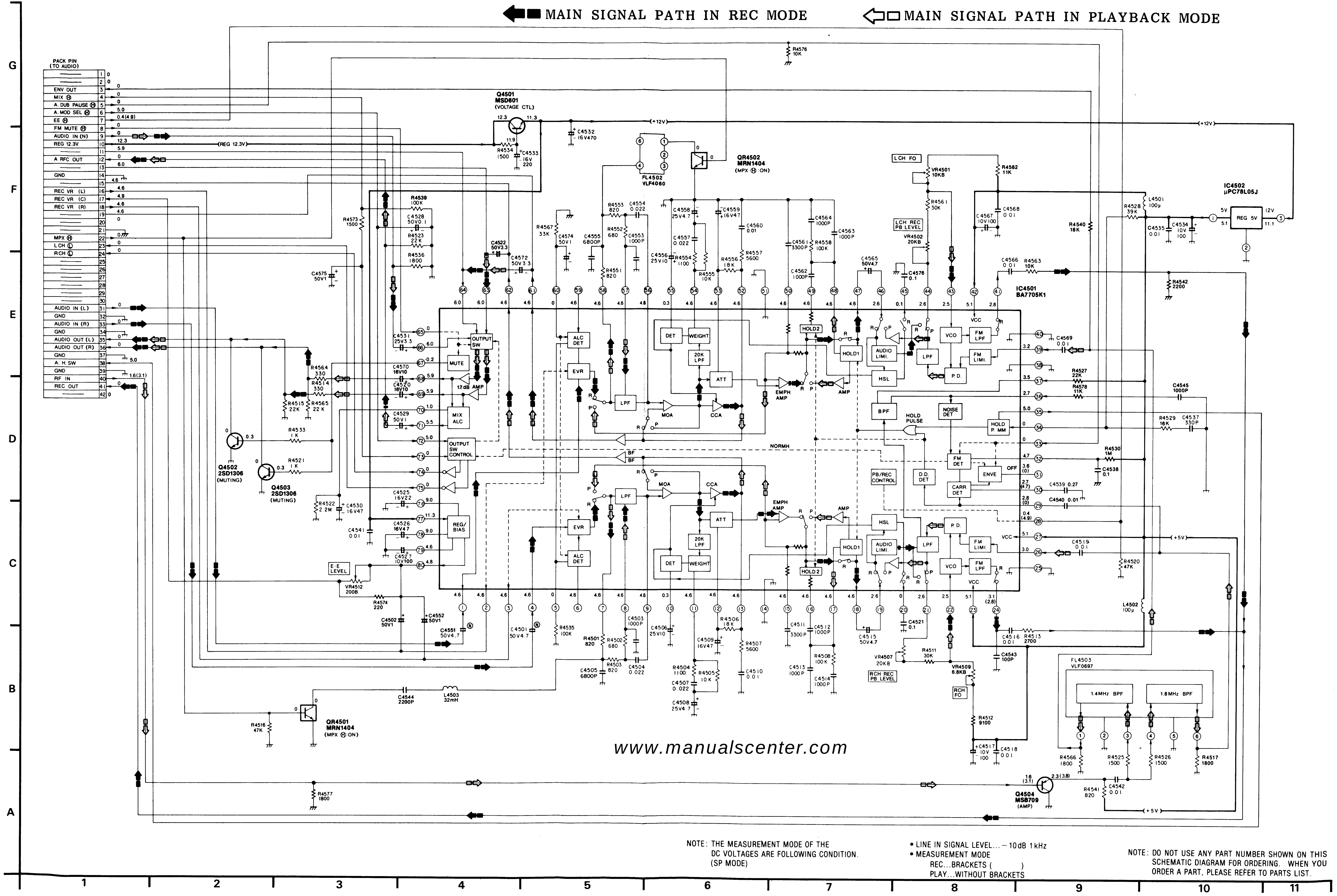
(3-TERMINAL POSITIVE OUTPUT VOLTAGE REGULATOR)


③ INPUT
PASS TR
Q1
CURRENT SOURCE
CURRENT LIMITER
RSC
① OUTPUT
STARTER
VOLTAGE REFERENCE
+
ERROR AMP
−
THERMAL PROTECTION
R2
R1
② COMMON

INPUT/OUTPUT PACK C.B.A.	
Transistor	
Q4901	B-4
Transistor & Resistor	
QR3901 QR3902	B-2 B-2
Integrated Circuit	
IC3901 IC4901 IC4902	B-1 B-5 B-6
Adjustment	
VR2009 VR2010	A-1 A-1
Connector	
P4901	B-6

ADDRESS INFORMATION

3-22. Hi-Fi AUDIO PACK SCHEMATIC DIAGRAM


MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
PACK PIN (TO AUDIO)
ENV OUT
MIX
A. DUB PAUSE
A. MOD SEL
EE
FM MUTE
AUDIO IN (N)
REG 12.3V
A RFC OUT
GND
REC VR (L)
REC VR (C)
REC VR (R)
MPX
L CH
R CH
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (L)
AUDIO OUT (R)
A. H. SW
RF IN
REC OUT
Q4501 MSD601 (VOLTAGE CTL)
FL4502 VLF4060
QR4502 MRN1404 (MPX H:ON)
IC4501 BA7705K1
IC4502 µPC78L05J
REG 5V
Q4502 2SD1306 (MUTING)
Q4503 2SD1306 (MUTING)
QR4501 MRN1404 (MPX H:ON)
Q4504 MSB709 (AMP)
FL4503 VLF0697
1.4MHz BPF
1.8MHz BPF
OUTPUT SW
MUTE
MIX ALC
OUTPUT SW CONTROL
REG/BIAS
12dB AMP
ALC DET
EVR
LPF
MOA
CCA
DET
WEIGHT
20K LPF
ATT
EMPH AMP
AMP
HOLD1
HOLD2
AUDIO LIMI.
HSL
BPF
HOLD PULSE
NOISE DET
HOLD P. MM
VCO
FM LPF
FM LIMI.
P.D.
FM DET
ENVE
CARR. DET
D.D. DET
PB/REC CONTROL
NORMH
LCH FO
LCH REC PB LEVEL
RCH REC PB LEVEL
RCH FO
E-E LEVEL
VR4501 10KB
VR4502 20KB
VR4507 20KB
VR4509 6.8KB
VR4512 200B
L4501 100µ
L4502 100µ
L4503 32mH
(+12V)
(+5V)
(REG 12.3V)
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11

NOTE: THE MEASUREMENT MODE OF THE
DC VOLTAGES ARE FOLLOWING CONDITION.
(SP MODE)

- LINE IN SIGNAL LEVEL... −10dB 1kHz
- MEASUREMENT MODE
  REC...BRACKETS ( )
  PLAY...WITHOUT BRACKETS

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

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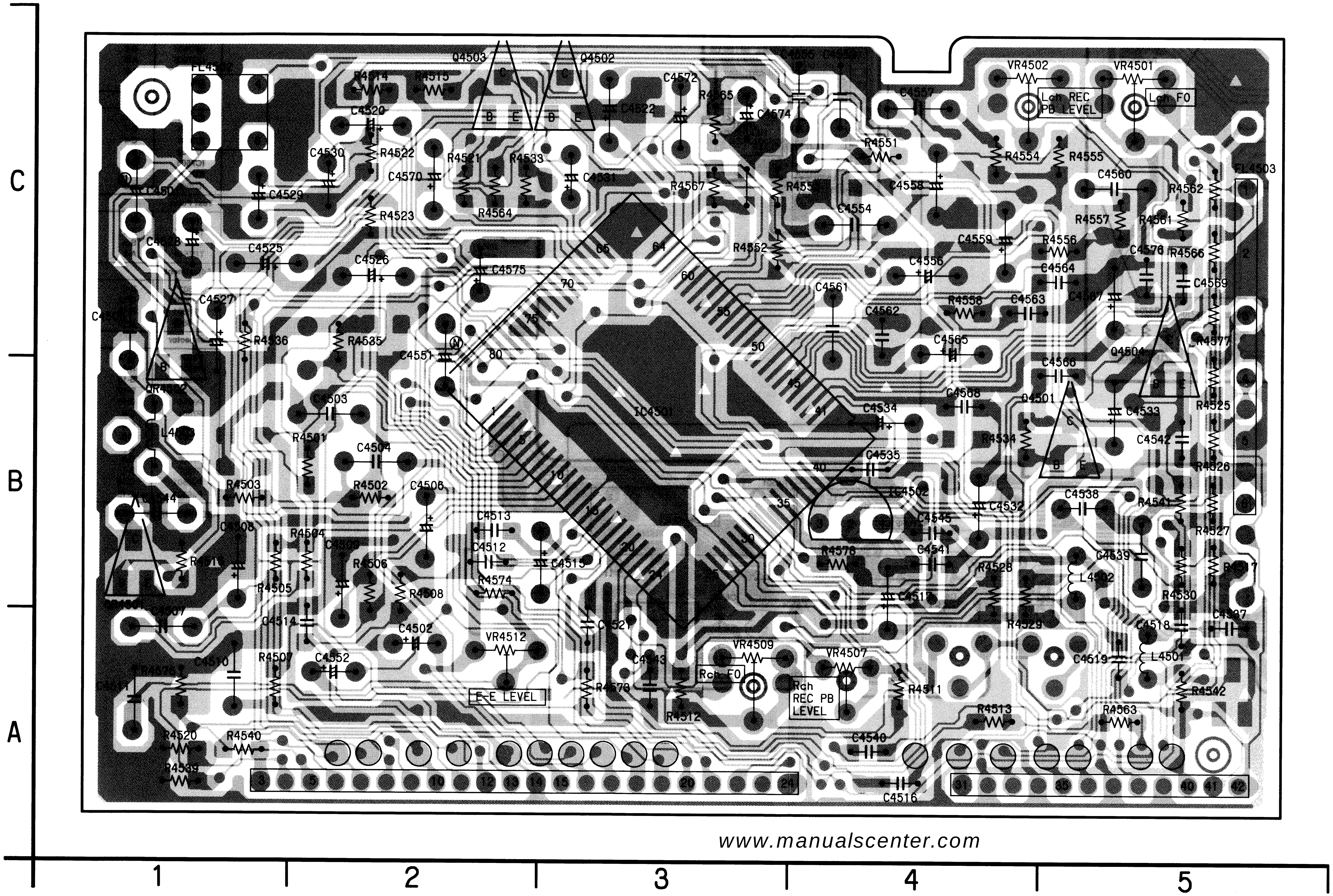
Back Page:
INPUT/OUTPUT Section

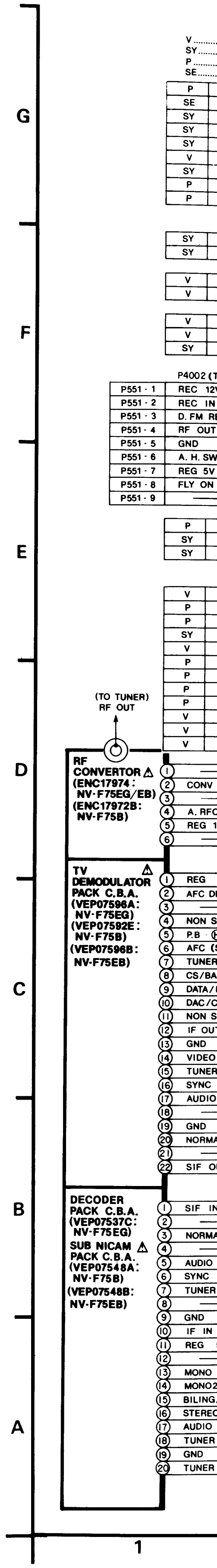
3-23. Hi-Fi AUDIO PACK C.B.A. (VEP04285B)

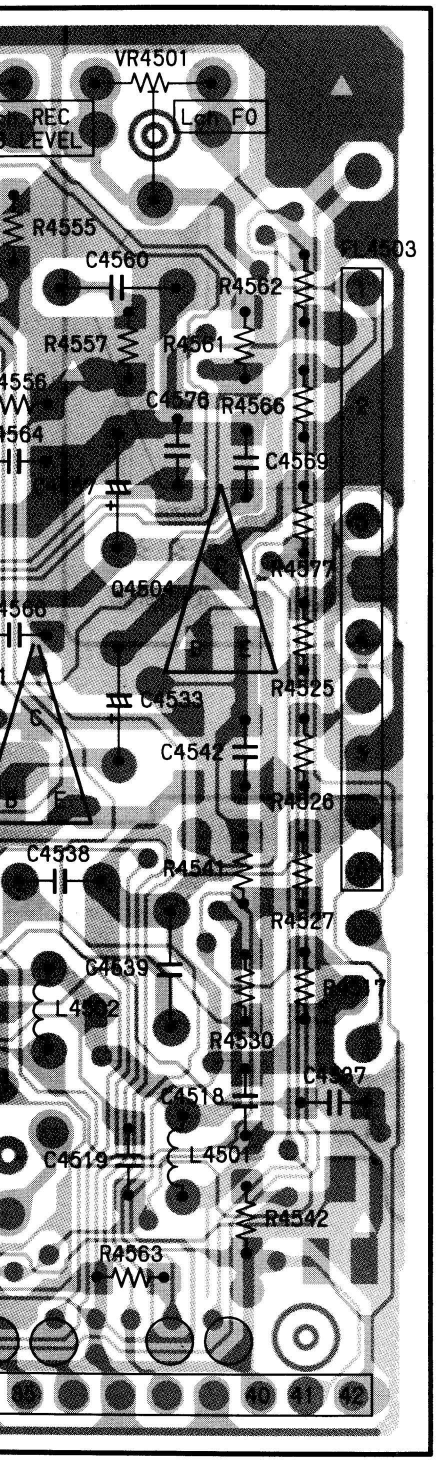

C
B
A
1
2
3
4
5
FL4502
Q4503
Q4502
R4514
R4515
C4520
C4530
R4522
R4521
R4533
C4570
C4531
C4572
R4565
C4574
C4522
C4555
C4556
C4557
VR4502
VR4501
Lch REC PB LEVEL
Lch F0
R4551
R4554
R4555
C4560
FL4503
R4567
R4553
C4558
C4554
R4562
R4557
R4561
C4529
R4523
R4564
C4525
C4526
C4575
R4552
C4559
R4556
C4576
R4566
C4564
C4569
C4561
C4556
C4527
R4558
C4563
C4567
C4562
R4536
R4535
C4551
C4565
Q4504
R4577
QR4502
C4566
C4503
C4568
C4533
IC4501
C4534
Q4501
R4525
R4501
C4504
R4534
C4542
C4535
R4526
R4503
R4502
C4506
IC4502
C4538
R4541
C4508
R4504
C4513
C4545
C4532
R4527
C4509
C4512
R4578
C4541
C4539
R4506
C4515
R4528
L4502
R4505
R4508
R4574
C4517
R4517
R4530
QR4501
C4507
C4514
C4502
C4521
R4529
C4537
VR4512
C4518
C4510
R4507
C4552
VR4509
VR4507
C4519
L4501
C4511
C4543
Rch F0
Rch REC PB LEVEL
R4511
R4542
E-E LEVEL
R4579
R4512
R4513
R4563
R4520
R4540
C4540
R4539
C4516
3
5
10
12
13
14
15
20
24
31
35
40
41
42

HI-FI AUDIO PACK C.B.A.	
Transistor	
Q4501 Q4502 Q4503 Q4504	B-5 C-3 C-2 C-5
Transistor & Resistor	
QR4501 QR4502	B-1 B-1
Integrated Circuit	
IC4501 IC4502	B-3 B-4
Adjustment	
VR4501 VR4502 VR4507 VR4509 VR4512	C-5 C-5 A-4 A-3 A-2

ADDRESS INFORMATION

3-24. AUDI

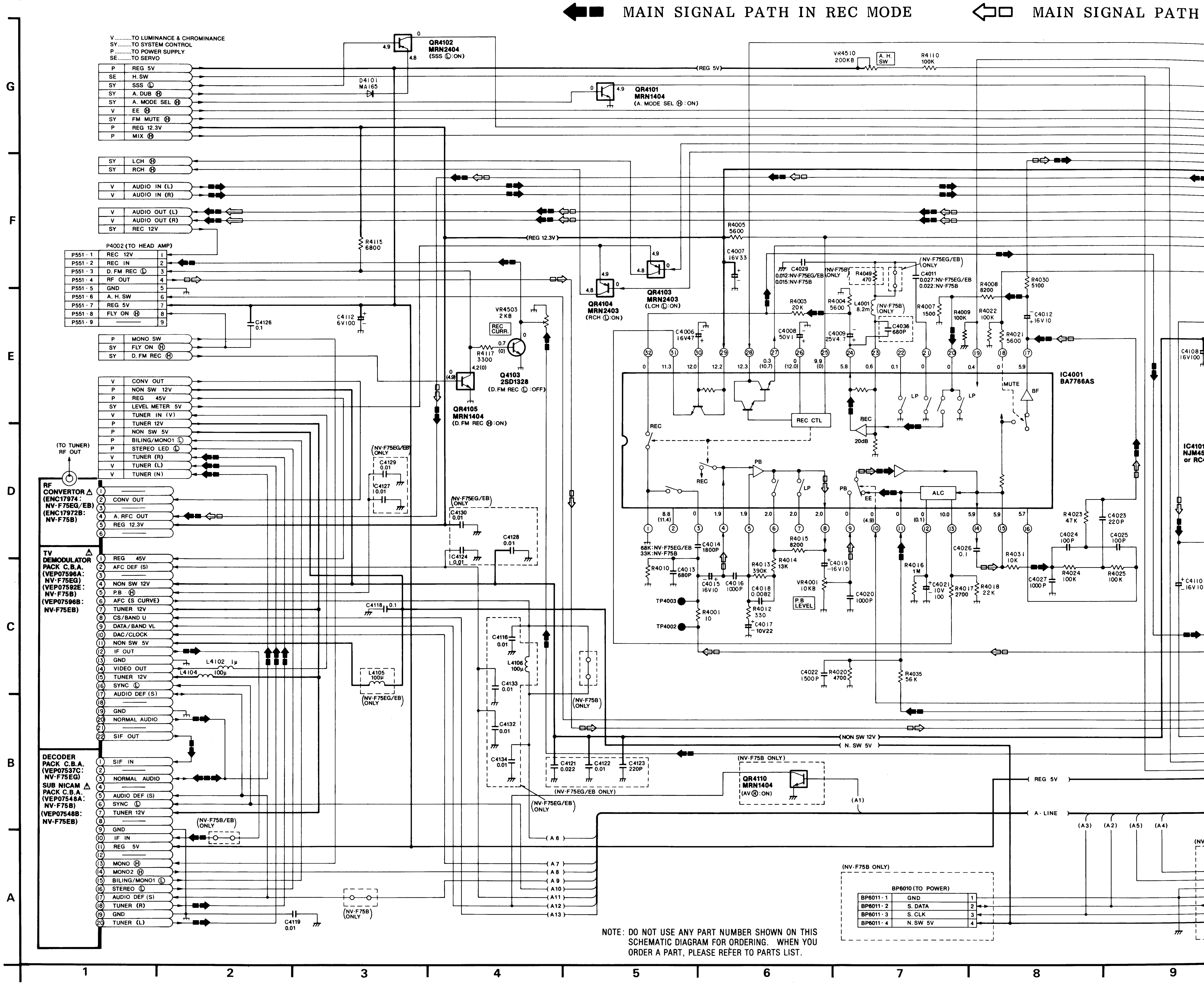

G
F
E
D
C
B
A
1
(TO TUNER) RF OUT
RF CONVERTOR
TV DEMODULATOR PACK C.B.A.
DECODER PACK C.B.A.
SUB NICAM PACK C.B.A.


VR4501
REC LEVEL
Lch F0
R4555
C4560
R4562
L4503
R4557
R4561
C4576
R4566
C4569
Q4504
R4577
C4533
R4525
C4542
R4526
C4538
R4541
R4527
C4539
L4502
R4530
C4518
C4519
L4501
R4542
R4563
40
41
42
5

HI-FI AUDIO PACK C.B.A.	
Transistor	
Q4501 Q4502 Q4503 Q4504	B-5 C-3 C-2 C-5
Transistor & Resistor	
QR4501 QR4502	B-1 B-1
Integrated Circuit	
IC4501 IC4502	B-3 B-4
Adjustment	
VR4501 VR4502 VR4507 VR4509 VR4512	C-5 C-5 A-4 A-3 A-2

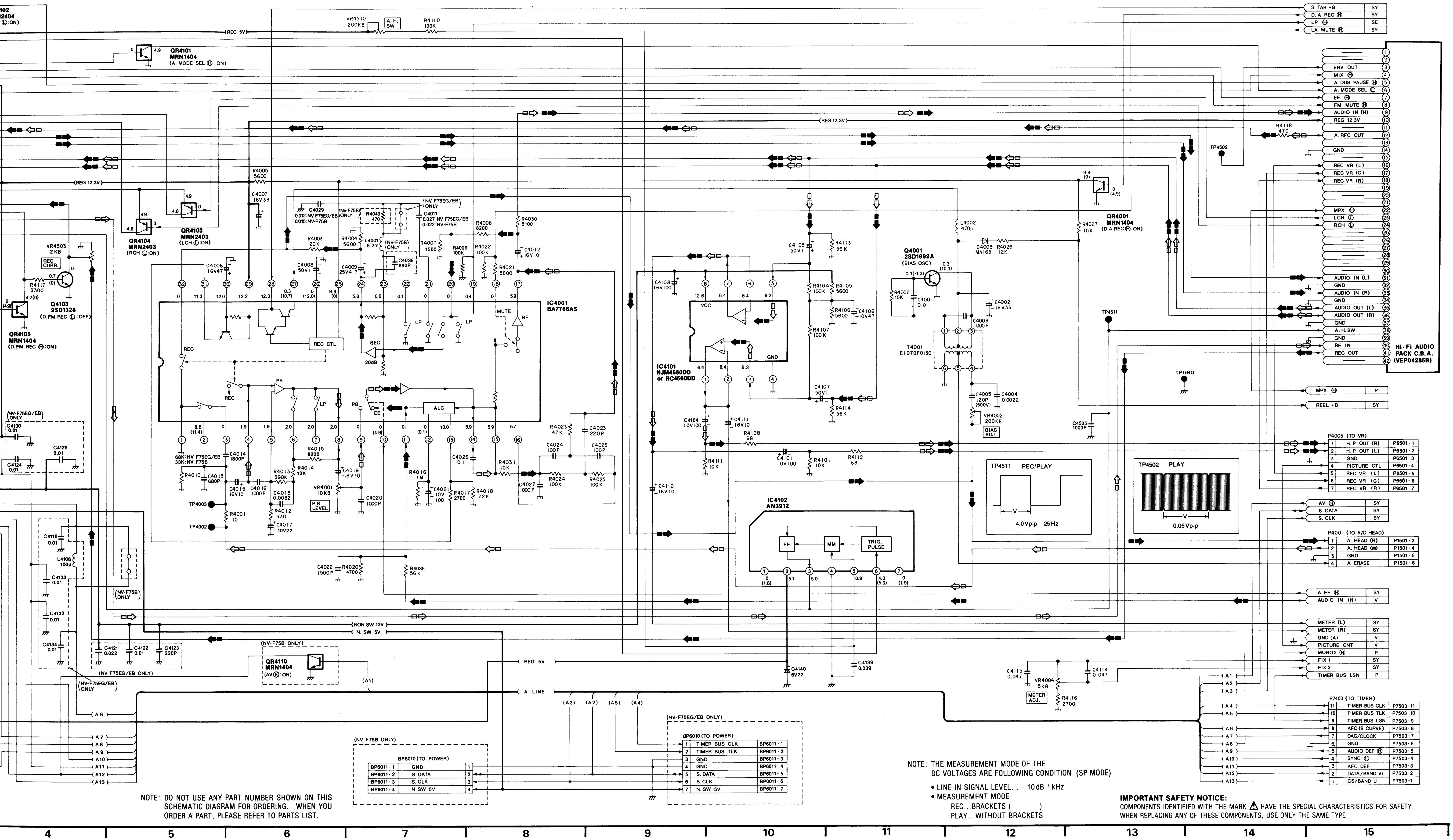
ADDRESS INFORMATION

3-24. AUDIO SCHEMATIC DIAGRAM


MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH
V ....TO LUMINANCE & CHROMINANCE
SY ....TO SYSTEM CONTROL
P ....TO POWER SUPPLY
SE ....TO SERVO
REG 5V
H. SW
SSS Ⓛ
A. DUB Ⓗ
A. MODE SEL Ⓗ
EE Ⓗ
FM MUTE Ⓗ
REG 12.3V
MIX Ⓗ
LCH Ⓗ
RCH Ⓗ
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (L)
AUDIO OUT (R)
REC 12V
P4002 (TO HEAD AMP)
P551-1 REC 12V
P551-2 REC IN
P551-3 D. FM REC Ⓛ
P551-4 RF OUT
P551-5 GND
P551-6 A. H. SW
P551-7 REG 5V
P551-8 FLY ON Ⓗ
P551-9
MONO SW
FLY ON Ⓗ
D. FM REC Ⓗ
CONV OUT
NON SW 12V
REG 45V
LEVEL METER 5V
TUNER IN (V)
TUNER 12V
NON SW 5V
BILING/MONO1 Ⓛ
STEREO LED Ⓛ
TUNER (R)
TUNER (L)
TUNER (N)
(TO TUNER) RF OUT
RF CONVERTOR (ENC17974: NV-F75EG/EB) (ENC17972B: NV-F75B)
A. RFC OUT
REG 12.3V
TV DEMODULATOR PACK C.B.A. (VEP07596A: NV-F75EG) (VEP07592E: NV-F75B) (VEP07596B: NV-F75EB)
AFC DEF (S)
P.B Ⓗ
AFC (S CURVE)
CS/BAND U
DATA/BAND VL
DAC/CLOCK
IF OUT
GND
VIDEO OUT
SYNC Ⓛ
AUDIO DEF (S)
NORMAL AUDIO
SIF OUT
DECODER PACK C.B.A. (VEP07537C: NV-F75EG) SUB NICAM PACK C.B.A. (VEP07548A: NV-F75B) (VEP07548B: NV-F75EB)
SIF IN
IF IN
MONO
MONO2 Ⓗ
STEREO Ⓛ
QR4102 MRN2404 (SSS Ⓛ:ON)
QR4101 MRN1404 (A. MODE SEL Ⓗ:ON)
D4101 MA165
R4115 6800
QR4104 MRN2403 (RCH Ⓛ:ON)
QR4103 MRN2403 (LCH Ⓛ:ON)
VR4503 2KB REC CURR.
R4117 3300
Q4103 2SD1328 (D.FM REC Ⓛ:OFF)
QR4105 MRN1404 (D. FM REC Ⓗ:ON)
C4126 0.1
C4112 6V100
C4129 0.01
C4127 0.01
C4130 0.01
C4124 0.01
C4128 0.01
C4118 0.1
C4116 0.01
L4106 100μ
C4133 0.01
C4132 0.01
C4134 0.01
L4105 100μ
L4102 1μ
L4104 100μ
C4121 0.022
C4122 0.01
C4123 220P
C4119 0.01
(NV-F75EG/EB ONLY)
(NV-F75B ONLY)
(NV-F75B/EB ONLY)
QR4110 MRN1404 (AV Ⓗ:ON)
IC4001 BA7766AS
REC CTL
ALC
MUTE
BF
REC
PB
LP
EE
20dB
VR4510 200KB
A. H. SW
R4110 100K
R4005 5600
C4007 16V33
C4029 0.012:NV-F75EG/EB 0.015:NV-F75B
R4049 470
C4011 0.027:NV-F75EG/EB 0.022:NV-F75B
R4003 20K
R4004 5600
L4001 8.2m
C4036 680P
R4007 1500
R4009 100K
R4022 100K
R4021 5600
R4008 8200
R4030 5100
C4012 16V10
C4006 16V47
C4008 50V1
C4009 25V4.7
R4010 68K:NV-F75EG/EB 33K:NV-F75B
C4014 1800P
C4013 680P
C4015 16V10
C4016 1000P
R4015 8200
R4013 390K
R4014 13K
C4018 0.0082
R4012 330
C4017 10V22
C4019 16V10
VR4001 10KB
PB LEVEL
C4020 1000P
R4001 10
TP4003
TP4002
R4016 1M
C4021 10V 100
R4017 2700
R4018 22K
C4026 0.1
R4031 10K
C4027 1000P
R4023 47K
C4023 220P
C4024 100P
C4025 100P
R4024 100K
R4025 100K
C4022 1500P
R4020 4700
R4035 56K
C4108 16V100
C4110 16V10
IC4101 NJM45 or RC4
NON SW 12V
N. SW 5V
REG 5V
A. LINE
(A1)
(A2)
(A3)
(A4)
(A5)
(A6)
(A7)
(A8)
(A9)
(A10)
(A11)
(A12)
(A13)
BP6010 (TO POWER)
BP6011-1 GND
BP6011-2 S. DATA
BP6011-3 S. CLK
BP6011-4 N. SW 5V
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

◀■ MAIN SIGNAL PATH IN REC MODE ◁□ MAIN SIGNAL PATH IN PLAYBACK MODE


IC4001 BA7766AS
IC4101 NJM4560DD or RC4560DD
IC4102 AN3912
QR4101 MRN1404 (A. MODE SEL Ⓗ:ON)
QR4103 MRN2403 (LCH Ⓛ:ON)
QR4104 MRN2403 (RCH Ⓛ:ON)
QR4105 MRN1404 (D.FM REC Ⓗ:ON)
Q4103 2SD1328 (D.FM REC Ⓛ:OFF)
QR4110 MRN1404 (AVⒽ:ON)
QR4001 MRN1404 (D.A.REC Ⓗ:ON)
Q4001 2SD1992A (BIAS OSC)
T4001 E1Q70F013Q
VR4510 200KB
A. H. SW
VR4503 2KB
REC CURR.
VR4001 10KB
P.B LEVEL
VR4002 200KB
BIAS ADJ.
VR4004 5KB
METER ADJ.
REG 5V
REG 12.3V
NON SW 12V
N. SW 5V
A - LINE
REC CTL
ALC
MUTE
BF
REC
PB
EE
LP
20dB
VCC
GND
FF
MM
TRIG. PULSE
TP4003
TP4002
TP4502
TP4511
TP GND
TP4511 REC/PLAY
4.0Vp-p 25Hz
TP4502 PLAY
0.05Vp-p
S. TAB +B
D. A. REC Ⓗ
LP Ⓗ
LA MUTE Ⓗ
ENV OUT
MIX Ⓗ
A. DUB PAUSE Ⓗ
A. MODE SEL Ⓛ
EE Ⓗ
FM MUTE Ⓗ
AUDIO IN (N)
REG 12.3V
A. RFC OUT
GND
REC VR (L)
REC VR (C)
REC VR (R)
MPX Ⓗ
LCH Ⓛ
RCH Ⓛ
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (L)
AUDIO OUT (R)
A. H. SW
RF IN
REC OUT
HI-FI AUDIO PACK C.B.A. (VEP04285B)
MPX Ⓗ
REEL +B
P4003 (TO VR)
H. P OUT (R) P6501-1
H. P OUT (L) P6501-2
GND P6501-3
PICTURE CTL P6501-4
REC VR (L) P6501-5
REC VR (C) P6501-6
REC VR (R) P6501-7
AV Ⓗ
S. DATA
S. CLK
P4001 (TO A/C HEAD)
A. HEAD (R) P1501-3
A. HEAD (W) P1501-4
GND P1501-5
A. ERASE P1501-6
A. EE Ⓗ
AUDIO IN (N)
METER (L)
METER (R)
GND (A)
PICTURE CNT
MONO2 Ⓗ
FIX 1
FIX 2
TIMER BUS LSN
P7403 (TO TIMER)
TIMER BUS CLK P7503-11
TIMER BUS TLK P7503-10
TIMER BUS LSN P7503-9
AFC (S CURVE) P7503-8
DAC/CLOCK P7503-7
GND P7503-6
AUDIO DEF Ⓗ P7503-5
SYNC Ⓛ P7503-4
AFC DEF P7503-3
DATA/BAND VL P7503-2
CS/BAND U P7503-1
(NV-F75B ONLY)
BP6010 (TO POWER)
BP6011-1 GND
BP6011-2 S. DATA
BP6011-3 S. CLK
BP6011-4 N. SW 5V
(NV-F75EG/EB ONLY)
BP6010 (TO POWER)
TIMER BUS CLK BP6011-1
TIMER BUS TLK BP6011-2
GND BP6011-3
GND BP6011-4
S. DATA BP6011-5
S. CLK BP6011-6
N. SW 5V BP6011-7
4
5
6
7
8
9
10
11
12
13
14
15

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

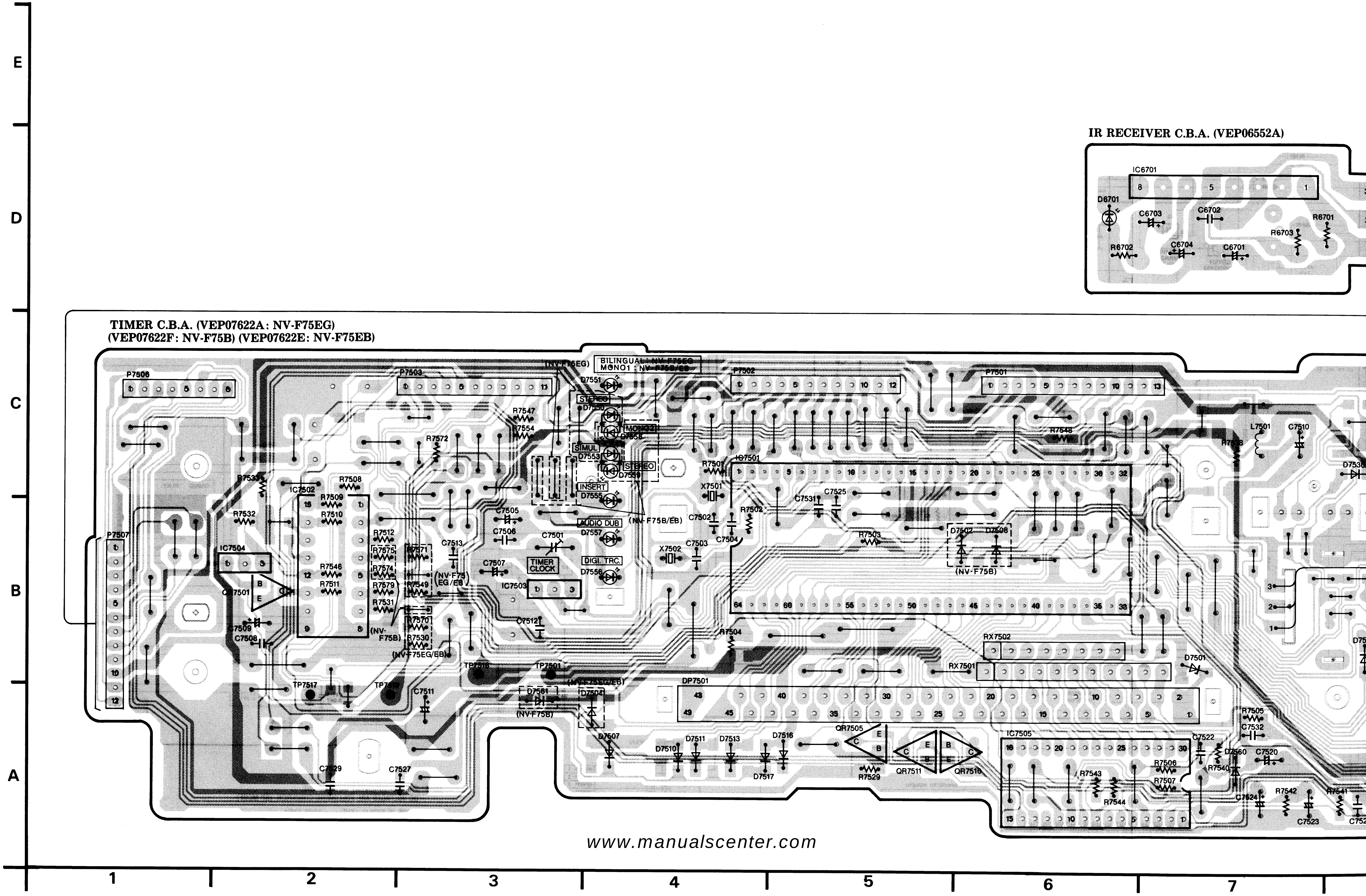
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGES ARE FOLLOWING CONDITION. (SP MODE)

- LINE IN SIGNAL LEVEL... −10dB 1kHz
- MEASUREMENT MODE
  REC... BRACKETS ( )
  PLAY... WITHOUT BRACKETS

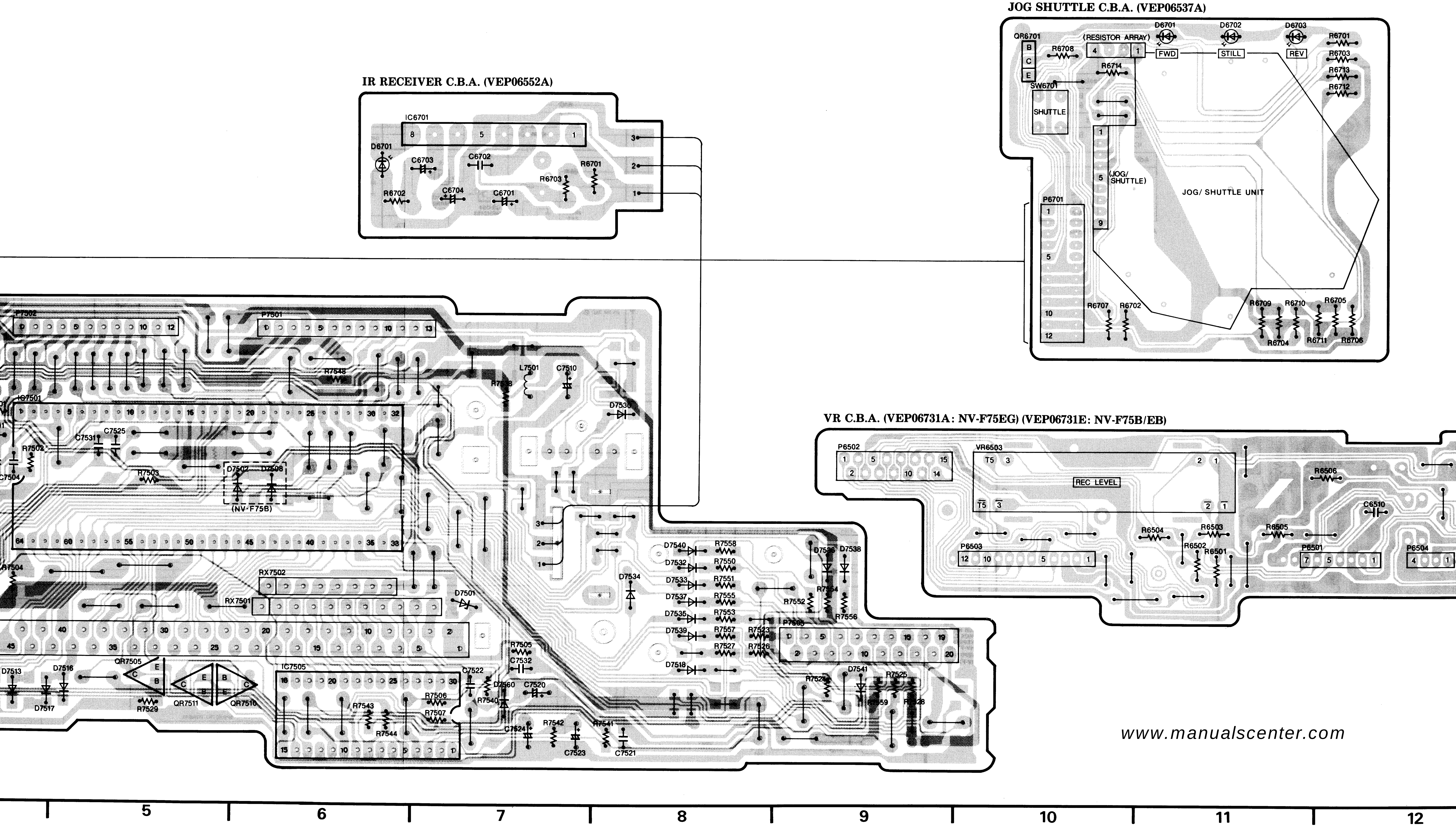
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

Next Page: TIMER & VR Section

3-25. TIMER C.B.A. (VEP07622A: NV-F75EB) (VEP07622F: NV-F75B) (VEP07622E: NV-F75EB) & VR C.B.A. (VEP06731A: NV-F75EG) (VEP06731E: NV-F75B/EB


IR RECEIVER C.B.A. (VEP06552A)
TIMER C.B.A. (VEP07622A: NV-F75EG)
(VEP07622F: NV-F75B) (VEP07622E: NV-F75EB)
E
D
C
B
A
1
2
3
4
5
6
7
IC6701
D6701
C6703
C6702
R6701
R6703
R6702
C6704
C6701
P7506
P7503
P7502
P7501
P7507
IC7501
IC7502
IC7503
IC7504
IC7505
QR7501
QR7505
QR7510
QR7511
X7501
X7502
DP7501
RX7501
RX7502
L7501
TP7501
TP7516
TP7517
BILINGUAL : NV-F75EG
MONO1 : NV-F75B/EB
STEREO
MONO2
SIMUL
INSERT
AUDIO DUB
DIGI. TRC.
TIMER CLOCK
(NV-F75EG)
(NV-F75B/EB)
(NV-F75B)
(NV-F75EG/EB)

NV-F75EB) & VR C.B.A. (VEP06731A: NV-F75EG) (VEP06731E: NV-F75B/EB)



JOG SHUTTLE C.B.A. (VEP06537A)

IR RECEIVER C.B.A. (VEP06552A)

VR C.B.A. (VEP06731A: NV-F75EG) (VEP06731E: NV-F75B/EB)

QR6701
B
C
E
R6708
(RESISTOR ARRAY)
4
1
D6701
D6702
D6703
FWD
STILL
REV
R6701
R6703
R6713
R6712
R6714
SW6701
SHUTTLE
(JOG/ SHUTTLE)
JOG/ SHUTTLE UNIT
P6701
5
9
10
12
R6707
R6702
R6709
R6710
R6705
R6704
R6711
R6706
IC6701
8
5
1
D6701
C6703
C6702
R6701
R6703
R6702
C6704
C6701
3
2
1
P7502
P7501
IC7501
R7548
L7501
C7510
R7538
D7530
C7531
C7525
R7502
C7504
R7503
D7502
D7508
(NV-F75B)
R7504
RX7502
RX7501
D7501
D7534
D7540
D7532
D7533
D7537
D7535
D7539
D7518
R7558
R7550
R7551
R7555
R7553
R7557
R7527
R7523
R7526
R7552
D7536
D7538
R7554
R7556
P7503
QR7505
D7513
D7516
D7517
R7529
QR7511
QR7510
IC7505
R7543
R7544
R7506
R7507
C7522
D7560
R7540
C7520
R7505
C7532
C7524
R7542
C7523
R7541
C7521
R7524
D7541
R7525
R7559
R7528
P6502
VR6503
REC LEVEL
T5
3
2
1
R6506
C6510
R6504
R6503
R6505
R6502
R6501
P6503
P6501
P6504
5
6
7
8
9
10
11
12

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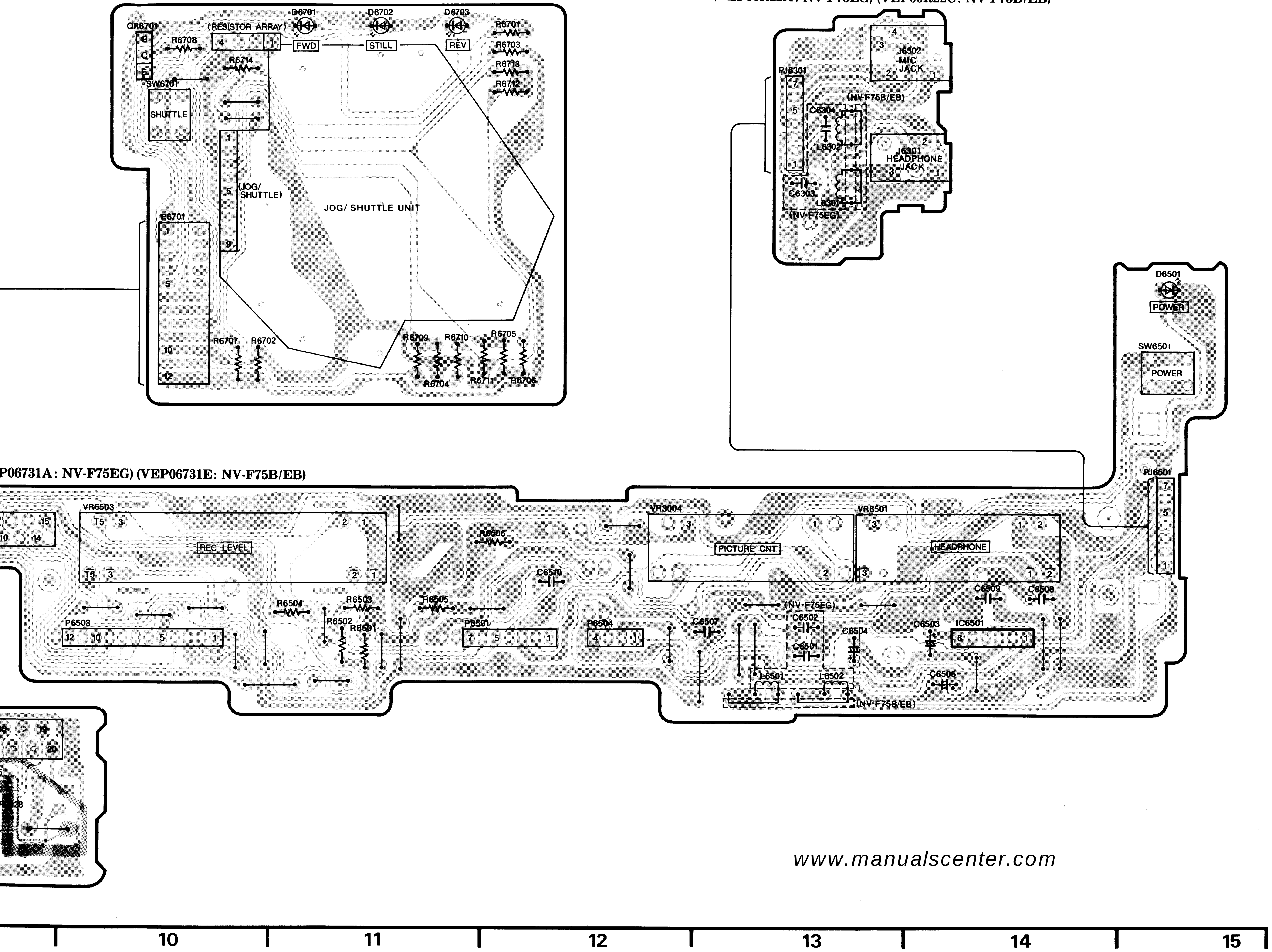
JOG SHUTTLE C.B.A. (VEP06537A)

HEADPHONE & MIC JACK C.B.A.
(VEP00R22A: NV-F75EG) (VEP00R22C: NV-F75B/EB)

P06731A: NV-F75EG) (VEP06731E: NV-F75B/EB)

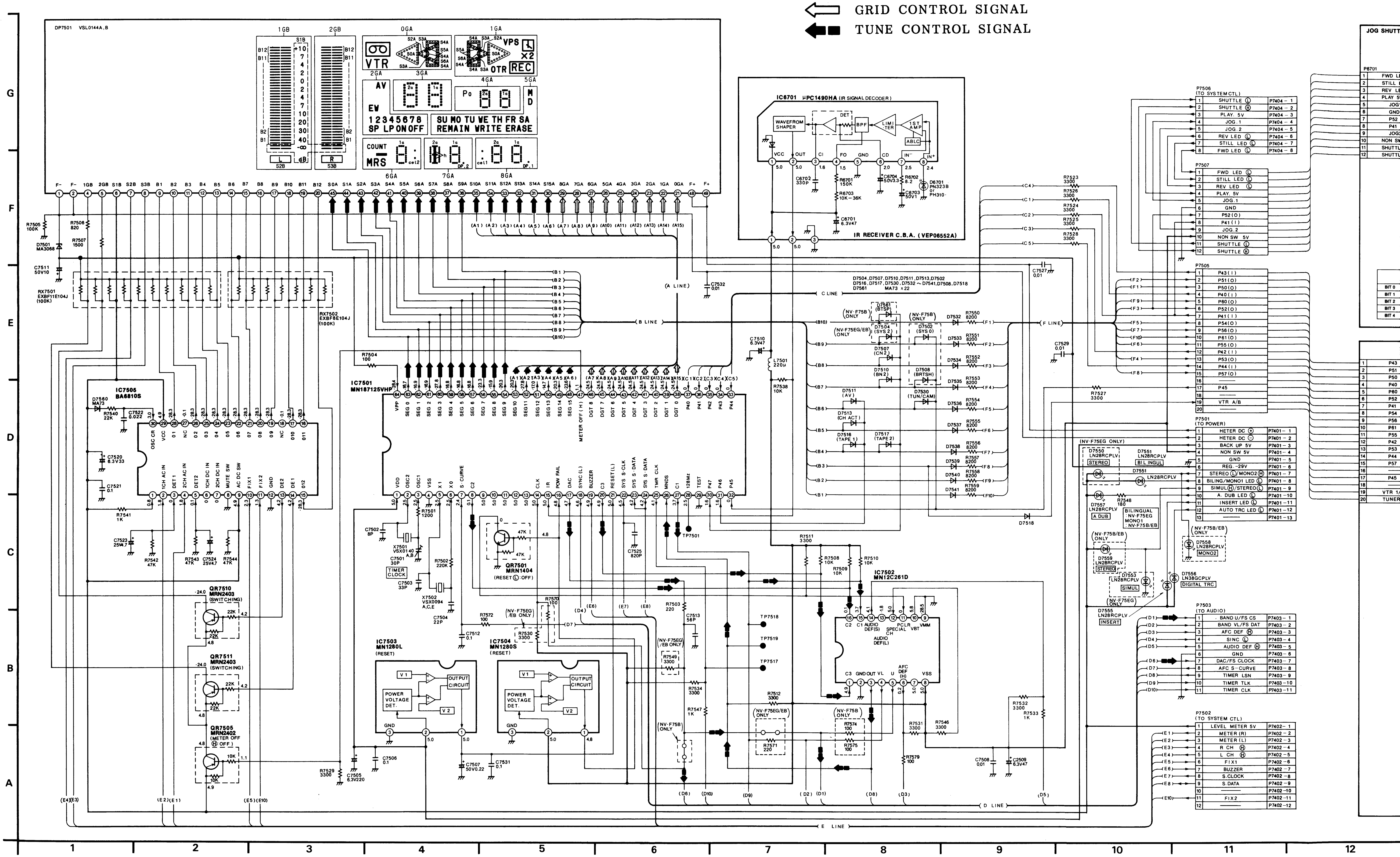

QR6701
B
C
E
R6708
(RESISTOR ARRAY)
4
1
R6714
D6701
FWD
D6702
STILL
D6703
REV
R6701
R6703
R6713
R6712
SW6701
SHUTTLE
1
5
9
(JOG/SHUTTLE)
JOG/ SHUTTLE UNIT
P6701
1
5
10
12
R6707
R6702
R6709
R6710
R6705
R6704
R6711
R6706
PJ6301
7
5
1
C6304
L6302
(NV-F75B/EB)
C6303
L6301
(NV-F75EG)
J6302
MIC JACK
4
3
2
1
J6301
HEADPHONE JACK
2
3
1
D6501
POWER
SW6501
POWER
PJ6501
7
5
1
VR6503
T5
3
2
1
REC LEVEL
15
14
10
R6506
VR3004
3
1
2
PICTURE CNT
VR6501
3
1
2
HEADPHONE
C6510
C6509
C6508
R6504
R6503
R6505
R6502
R6501
P6503
12
10
5
1
P6501
7
5
1
P6504
4
1
(NV-F75EG)
C6502
C6501
C6507
C6504
C6503
IC6501
6
1
C6505
L6501
L6502
(NV-F75B/EB)
19
20
28
10
11
12
13
14
15

TIMER C.B.A. & VR C.B.A.	
Transistor & Resistor	
QR6701	D-10
QR7501	B-2
QR7505	A-5
QR7510	A-6
QR7511	A-5
Integrated Circuit	
IC6501	B-14
IC6701	D-7
IC7501	C-4
IC7502	B-2
IC7503	B-3
IC7504	B-2
IC7505	A-6
Test Point	
TP7501	B-3
TP7517	A-2
TP7518	B-3
TP7519	A-2
Adjustment	
C7501	B-3
VR3004	B-12
VR6501	B-13
VR6503	B-10
Connector	
P6501	B-12
P6502	B-9
P6503	B-10
P6504	B-12
P6701	D-10
P7501	C-6
P7502	C-4
P7503	C-3
P7505	A-9
P7506	C-1
P7507	B-1
PJ6501	C-15
PJ6301	E-13

ADDRESS INFORMATION

3-26. TIMER & VR SCHEMATIC DIAGRAM

- SEGMENT CONTROL SIGNAL
- GRID CONTROL SIGNAL
- TUNE CONTROL SIGNAL


DP7501 VSL0144A,B
1GB
2GB
0GA
1GA
VTR
VPS
REC
OTR
AV
EW
Po
12345678
SP LP ON OFF
SU MO TU WE TH FR SA
REMAIN WRITE ERASE
COUNT
MRS
IC6701 μPC1490HA (IR SIGNAL DECODER)
WAVEFROM SHAPER
DET
BPF
LIMI TER
1ST AMP
ABLC
IR RECEIVER C.B.A. (VEP06552A)
D6701 PN323B or PH310
IC7505 BA6810S
IC7501 MN187125VHP
IC7502 MN12C261D
IC7503 MN1280L (RESET)
IC7504 MN1280S (RESET)
POWER VOLTAGE DET.
OUTPUT CIRCUIT
QR7501 MRN1404 (RESET Ⓛ: OFF)
QR7510 MRN2403 (SWITCHING)
QR7511 MRN2403 (SWITCHING)
QR7505 MRN2402 (METER OFF Ⓗ OFF)
X7501 VSX0140 A,B
X7502 VSX0094 A,C,E
TIMER CLOCK
RX7501 EXBF11E104J (100K)
RX7502 EXBF8E104J (100K)
D7504,D7507,D7510,D7511,D7513,D7502 D7516,D7517,D7530,D7532～D7541,D7508,D7518 D7561 MA73 ×22
A LINE
B LINE
C LINE
D LINE
E LINE
F LINE
P7506 (TO SYSTEM CTL)
1 SHUTTLE Ⓛ P7404－1
2 SHUTTLE Ⓗ P7404－2
3 PLAY. 5V P7404－3
4 JOG.1 P7404－4
5 JOG.2 P7404－5
6 REV LED Ⓛ P7404－6
7 STILL LED Ⓛ P7404－7
8 FWD LED Ⓛ P7404－8
P7507
1 FWD LED Ⓛ
2 STILL LED Ⓛ
3 REV LED Ⓛ
4 PLAY. 5V
5 JOG.1
6 GND
7 P52(O)
8 P41(I)
9 JOG.2
10 NON SW 5V
11 SHUTTLE Ⓛ
12 SHUTTLE Ⓗ
P7505
1 P43(I)
2 P51(O)
3 P50(O)
4 P40(I)
5 P60(O)
6 P52(O)
7 P41(I)
8 P54(O)
9 P56(O)
10 P61(O)
11 P55(O)
12 P42(I)
13 P53(O)
14 P44(I)
15 P57(O)
16 ——
17 P45
18 ——
19 VTR A/B
20 ——
P7501 (TO POWER)
1 HETER DC ⊕ P7401－1
2 HETER DC ⊖ P7401－2
3 BACK UP 5V P7401－3
4 NON SW 5V P7401－4
5 GND P7401－5
6 REG.－29V P7401－6
7 STEREO Ⓛ/MONO2 Ⓗ P7401－7
8 BILING/MONO1 LED Ⓛ P7401－8
9 SIMUL Ⓗ/STEREO Ⓛ P7401－9
10 A. DUB LED Ⓛ P7401－10
11 INSERT LED Ⓛ P7401－11
12 AUTO TRC LED Ⓛ P7401－12
13 —— P7401－13
P7503 (TO AUDIO)
1 BAND U/FS CS P7403－1
2 BAND VL/FS DAT P7403－2
3 AFC DEF Ⓗ P7403－3
4 SINC Ⓛ P7403－4
5 AUDIO DEF Ⓗ P7403－5
6 GND P7403－6
7 DAC/FS CLOCK P7403－7
8 AFC S-CURVE P7403－8
9 TIMER LSN P7403－9
10 TIMER TLK P7403－10
11 TIMER CLK P7403－11
P7502 (TO SYSTEM CTL)
1 LEVEL METER 5V P7402－1
2 METER (R) P7402－2
3 METER (L) P7402－3
4 R CH Ⓗ P7402－4
5 L CH Ⓗ P7402－5
6 FIX1 P7402－6
7 BUZZER P7402－7
8 S.CLOCK P7402－8
9 S.DATA P7402－9
10 —— P7402－10
11 FIX2 P7402－11
12 —— P7402－12
D7550 LN28RCPLV STEREO
D7551 LN28RCPLV BIL INGUL
D7557 LN28RCPLV A DUB
D7559 LN28RCPLV STEREO
D7553 LN28RCPLV SIMUL
D7558 LN28RCPLV MONO2
D7556 LN38GCPLV DIGITAL TRC
D7555 LN28RCPLV INSERT
JOG SHUTT
P6701
G
F
E
D
C
B
A
1
2
3
4
5
6
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8
9
10
11
12

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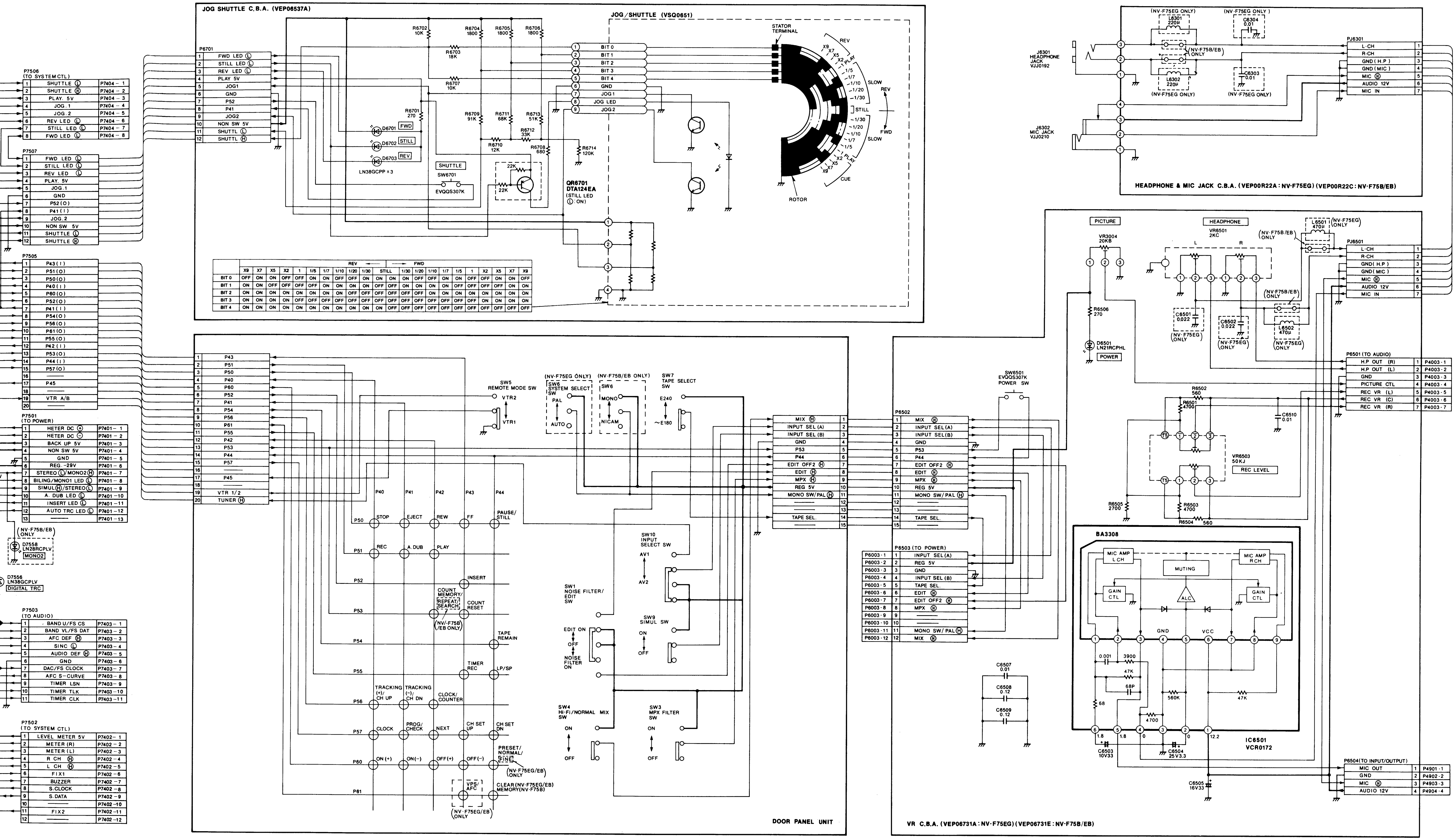

JOG SHUTTLE C.B.A. (VEP06537A)
JOG/SHUTTLE (VSQ0651)
STATOR TERMINAL
ROTOR
REV
FWD
SLOW
STILL
CUE
PLAY
X9
X7
X5
X2
1/5
1/7
1/10
1/20
1/30
P6701
FWD LED Ⓛ
STILL LED Ⓛ
REV LED Ⓛ
PLAY 5V
JOG1
GND
P52
P41
JOG2
NON SW 5V
SHUTTL Ⓛ
SHUTTL Ⓗ
BIT 0
BIT 1
BIT 2
BIT 3
BIT 4
JOG LED
R6702 10K
R6703 18K
R6704 1800
R6705 1800
R6706 1800
R6707 10K
R6701 270
R6709 91K
R6711 68K
R6713 51K
R6712 33K
R6710 12K
R6708 680
R6714 120K
D6701 FWD
D6702 STILL
D6703 REV
LN38GCPP x3
SHUTTLE
SW6701
EVQQS307K
22K
QR6701
DTA124EA
(STILL LED Ⓛ:ON)
P7506
(TO SYSTEM CTL)
SHUTTLE Ⓛ
SHUTTLE Ⓗ
PLAY. 5V
JOG. 1
JOG. 2
REV LED Ⓛ
STILL LED Ⓛ
FWD LED Ⓛ
P7404-1
P7404-2
P7404-3
P7404-4
P7404-5
P7404-6
P7404-7
P7404-8
P7507
FWD LED Ⓛ
STILL LED Ⓛ
REV LED Ⓛ
PLAY. 5V
JOG. 1
GND
P52(O)
P41(I)
JOG. 2
NON SW 5V
SHUTTLE Ⓛ
SHUTTLE Ⓗ
P7505
P43(I)
P51(O)
P50(O)
P40(I)
P60(O)
P52(O)
P41(I)
P54(O)
P56(O)
P61(O)
P55(O)
P42(I)
P53(O)
P44(I)
P57(O)
P45
VTR A/B
P7501
(TO POWER)
HETER DC ⊕
HETER DC ⊖
BACK UP 5V
NON SW 5V
GND
REG -29V
STEREO Ⓛ/MONO2 Ⓗ
BILING/MONO1 LED Ⓛ
SIMUL Ⓗ/STEREO Ⓛ
A. DUB LED Ⓛ
INSERT LED Ⓛ
AUTO TRC LED Ⓛ
P7401-1
P7401-2
P7401-3
P7401-4
P7401-5
P7401-6
P7401-7
P7401-8
P7401-9
P7401-10
P7401-11
P7401-12
P7401-13
(NV-F75B/EB) ONLY
D7558
LN28RCPLV
MONO2
D7556
LN38GCPLV
DIGITAL TRC
P7503
(TO AUDIO)
BAND U/FS CS
BAND VL/FS DAT
AFC DEF Ⓗ
SINC Ⓛ
AUDIO DEF Ⓗ
GND
DAC/FS CLOCK
AFC S-CURVE
TIMER LSN
TIMER TLK
TIMER CLK
P7403-1
P7403-2
P7403-3
P7403-4
P7403-5
P7403-6
P7403-7
P7403-8
P7403-9
P7403-10
P7403-11
P7502
(TO SYSTEM CTL)
LEVEL METER 5V
METER (R)
METER (L)
R CH Ⓗ
L CH Ⓗ
FIX1
BUZZER
S.CLOCK
S.DATA
FIX2
P7402-1
P7402-2
P7402-3
P7402-4
P7402-5
P7402-6
P7402-7
P7402-8
P7402-9
P7402-10
P7402-11
P7402-12
P43
P51
P50
P40
P60
P52
P41
P54
P61
P55
P42
P53
P44
P56
P57
P45
VTR 1/2
TUNER Ⓗ
SW5
REMOTE MODE SW
VTR2
VTR1
(NV-F75EG ONLY)
SW6
SYSTEM SELECT SW
PAL
AUTO
(NV-F75B/EB ONLY)
SW6
MONO
NICAM
SW7
TAPE SELECT SW
E240
E180
STOP
EJECT
REW
FF
PAUSE/STILL
REC
A.DUB
PLAY
INSERT
COUNT MEMORY/REPEAT/SEARCH
COUNT RESET
(NV-F75B/EB ONLY)
TAPE REMAIN
TIMER REC
LP/SP
TRACKING (+)/CH UP
TRACKING (-)/CH DN
CLOCK/COUNTER
CLOCK
PROG/CHECK
NEXT
CH SET UP
CH SET DN
ON(+)
ON(-)
OFF(+)
OFF(-)
PRESET/NORMAL/FINE
(NV-F75EG/EB) ONLY
VPS/AFC
(NV-F75EG/EB) ONLY
CLEAR(NV-F75EG/EB) MEMORY(NV-F75B)
SW10
INPUT SELECT SW
AV1
AV2
SW1
NOISE FILTER/EDIT SW
EDIT ON
OFF
NOISE FILTER ON
SW9
SIMUL SW
ON
OFF
SW4
HI-FI/NORMAL MIX SW
SW3
MPX FILTER SW
DOOR PANEL UNIT
MIX Ⓗ
INPUT SEL(A)
INPUT SEL(B)
GND
P53
P44
EDIT OFF2 Ⓗ
EDIT Ⓗ
MPX Ⓗ
REG 5V
MONO SW/PAL Ⓗ
TAPE SEL.
P6502
P6503 (TO POWER)
P6003-1
P6003-2
P6003-3
P6003-4
P6003-5
P6003-6
P6003-7
P6003-8
P6003-9
P6003-10
P6003-11
P6003-12
SW6501
EVQQS307K
POWER SW
PICTURE
VR3004
20KB
R6506 270
D6501
LN21RCPHL
POWER
HEADPHONE
VR6501
2KC
L
R
C6501 0.022 (NV-F75EG) ONLY
C6502 0.022 (NV-F75EG) ONLY
L6501 470μ (NV-F75EG) ONLY
L6502 470μ (NV-F75EG) ONLY
(NV-F75B/EB) ONLY
R6502 560
R6501 4700
C6510 0.01
VR6503
50KJ
REC LEVEL
R6505 2700
R6503 4700
R6504 560
BA3308
MIC AMP L CH
MIC AMP R CH
MUTING
GAIN CTL
ALC
GND
VCC
0.001
3900
47K
68P
560K
47K
4700
68
C6503 10V33
C6504 25V3.3
IC6501
VCR0172
C6505 16V33
C6507 0.01
C6508 0.12
C6509 0.12
PJ6501
L-CH
R-CH
GND(H.P)
GND(MIC)
MIC Ⓗ
AUDIO 12V
MIC IN
P6501 (TO AUDIO)
H.P OUT (R)
H.P OUT (L)
GND
PICTURE CTL
REC VR (L)
REC VR (C)
REC VR (R)
P4003-1
P4003-2
P4003-3
P4003-4
P4003-5
P4003-6
P4003-7
P6504 (TO INPUT/OUTPUT)
MIC OUT
GND
MIC Ⓗ
AUDIO 12V
P4901-1
P4902-2
P4903-3
P4904-4
VR C.B.A. (VEP06731A: NV-F75EG) (VEP06731E: NV-F75B/EB)
(NV-F75EG ONLY)
L6301 220μ
L6302 220μ
C6304 0.01
C6303 0.01
(NV-F75B/EB) ONLY
J6301
HEADPHONE JACK
VJJ0192
J6302
MIC JACK
VJJ0210
PJ6301
L-CH
R-CH
GND(H.P)
GND(MIC)
MIC Ⓗ
AUDIO 12V
MIC IN
HEADPHONE & MIC JACK C.B.A. (VEP00R22A: NV-F75EG) (VEP00R22C: NV-F75B/EB)

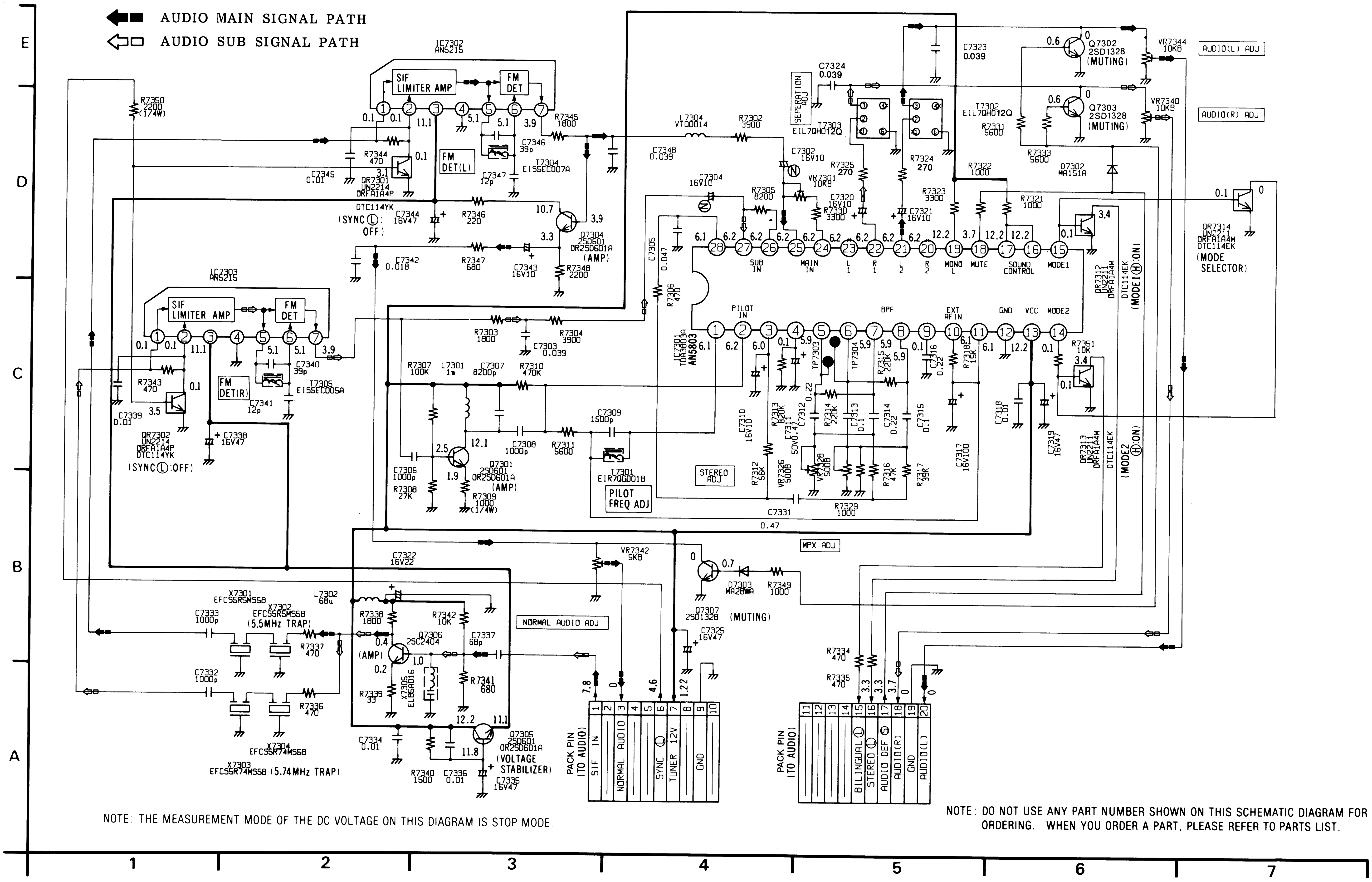
	REV ←										→ FWD											
	X9	X7	X5	X2	1	1/5	1/7	1/10	1/20	1/30	STILL		1/30	1/20	1/10	1/7	1/5	1	X2	X5	X7	X9
BIT 0	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF
BIT 1	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
BIT 2	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
BIT 3	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
BIT 4	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

11 12 13 14 15 16 17 18 19 20 21 22

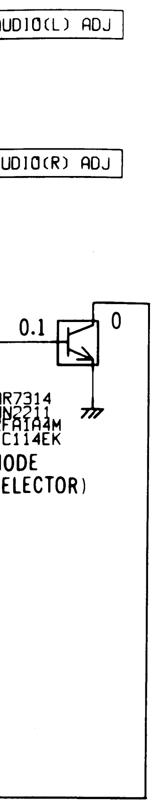
3-27. DECODER PACK SCHEMATIC DIAGRAM (NV-F75EG)


AUDIO MAIN SIGNAL PATH
AUDIO SUB SIGNAL PATH
IC7302 AN5215
SIF LIMITER AMP
FM DET
FM DET(L)
IC7303 AN5215
FM DET(R)
T7304 EI55EC007A
T7305 EI55EC005A
Q7304 2SD601 OR2SD601A (AMP)
QR7301 UN2214 ORFA1A4P DTC114YK (SYNC Ⓛ: OFF)
QR7302 UN2214 ORFA1A4P DTC114YK (SYNC Ⓛ:OFF)
Q7301 2SD601 OR2SD601A (AMP)
T7301 EIR7QG001B
PILOT FREQ ADJ
STEREO ADJ
IC7301 TDA3803A AN5803
SUB IN
MAIN IN
L 1
R 1
L 2
R 2
MONO L
MUTE
SOUND CONTROL
MODE1
PILOT IN
BPF
EXT AF IN
GND
VCC
MODE2
SEPERATION ADJ
T7302 EIL7QH012Q
T7303 EIL7QH012Q
Q7302 2SD1328 (MUTING)
Q7303 2SD1328 (MUTING)
VR7344 10KB
VR7340 10KB
AUDIO(L) ADJ
AUDIO(R) ADJ
D7302 MA151A
QR7314 UN2211 ORFA1A4M DTC114EK (MODE SELECTOR)
QR7312 UN2211 ORFA1A4M DTC114EK (MODE1 Ⓗ:ON)
QR7313 UN2211 ORFA1A4M DTC114EK (MODE2 Ⓗ:ON)
MPX ADJ
VR7342 5KB
Q7307 2SD1328 (MUTING)
D7303 MA28WA
NORMAL AUDIO ADJ
X7301 EFCS5R5MS5B
X7302 EFCS5R5MS5B (5.5MHz TRAP)
X7303 EFCS5R74MS5B (5.74MHz TRAP)
X7304 EFCS5R74MS5B
L7302 68u
Q7306 2SC2404 (AMP)
X7305 EL5SA016
Q7305 2SD601 OR2SD601A (VOLTAGE STABILIZER)
PACK PIN (TO AUDIO)
1 SIF IN
2
3 NORMAL AUDIO
4
5
6 SYNC Ⓛ
7 TUNER 12V
8
9 GND
10
11
12
13
14
15 BILINGUAL Ⓛ
16 STEREO Ⓛ
17 AUDIO DEF Ⓢ
18 AUDIO(R)
19 GND
20 AUDIO(L)
E
D
C
B
A
1
2
3
4
5
6
7

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

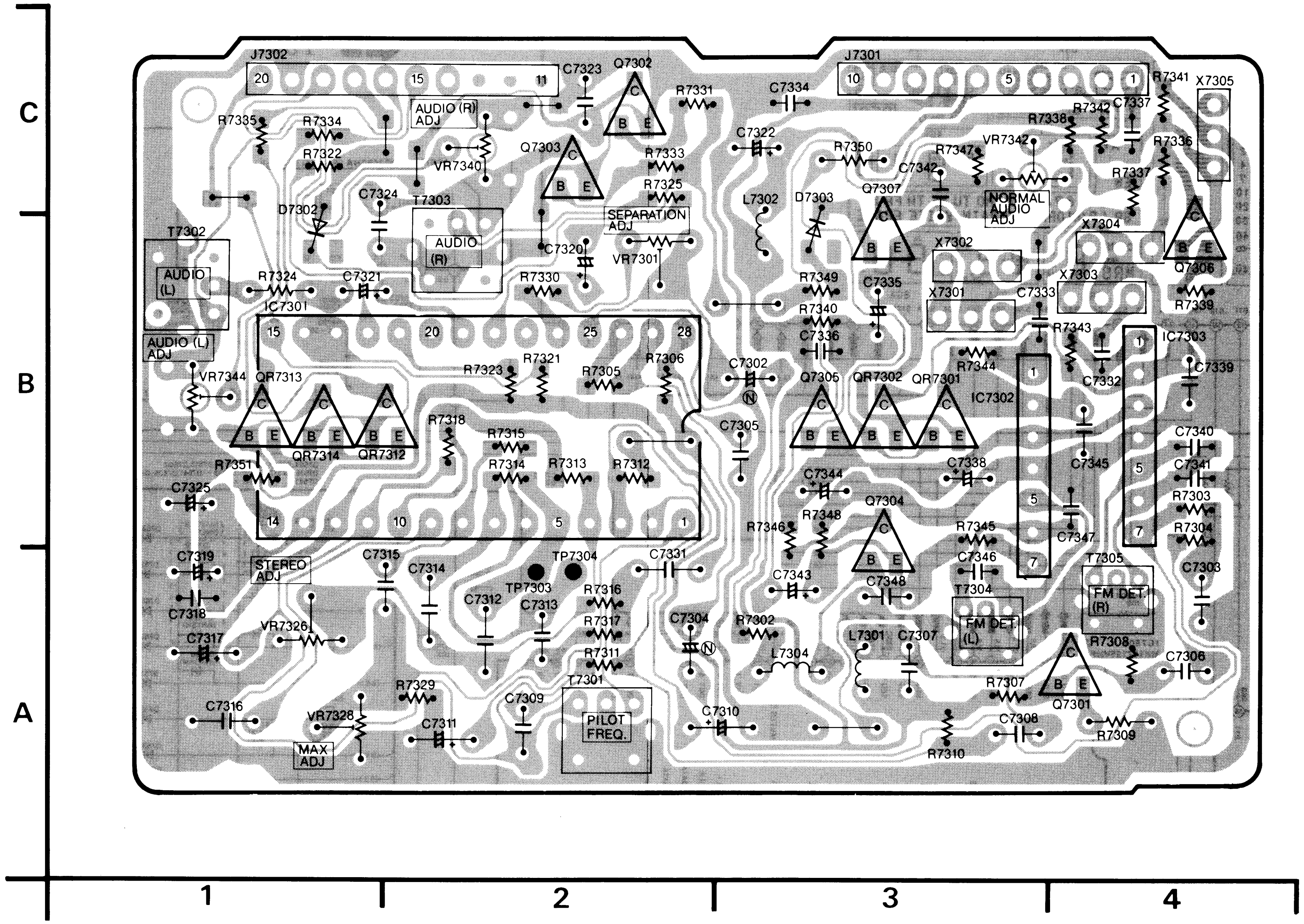
Back Page:
TIMER & VR Section


UDIO(L) ADJ
UDIO(R) ADJ
0.1
0
R7314
N2211
FA1A4M
C114EK
IODE
ELECTOR)

THIS SCHEMATIC DIAGRAM FOR
ASE REFER TO PARTS LIST.

7

3-28. DECODER PACK C.B.A. (VEP07537C: NV-F75EG)

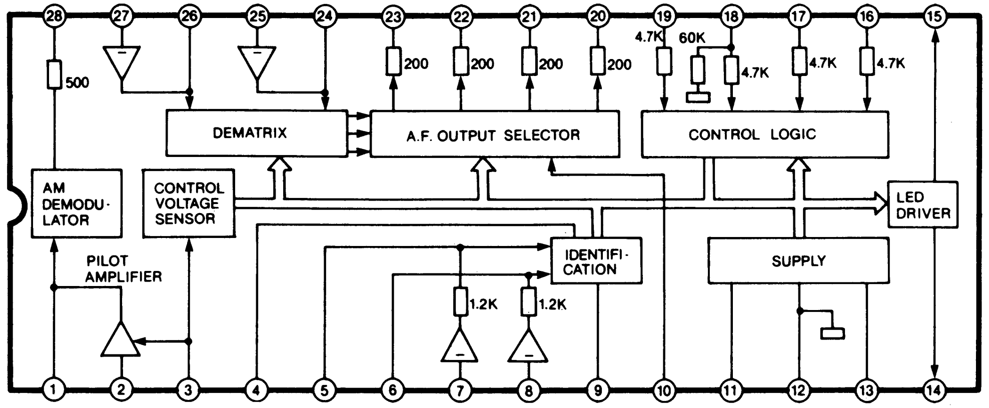

C
B
A
1
2
3
4
J7302
20
15
11
J7301
10
5
1
C7323
Q7302
R7331
C7334
R7341
X7305
R7335
R7334
R7322
AUDIO (R) ADJ
VR7340
Q7303
R7333
R7325
C7322
R7350
R7342
C7337
R7338
R7336
VR7342
R7347
C7342
Q7307
NORMAL AUDIO ADJ
R7337
D7302
C7324
T7303
AUDIO (R)
SEPARATION ADJ
VR7301
C7320
L7302
D7303
X7304
X7302
Q7306
T7302
AUDIO (L)
R7324
C7321
IC7301
R7330
R7349
C7335
X7301
C7333
X7303
R7339
AUDIO (L) ADJ
R7340
C7336
R7343
IC7303
VR7344
QR7313
R7323
R7321
R7305
R7306
C7302
R7344
C7339
Q7305
QR7302
QR7301
IC7302
C7332
R7318
R7315
C7305
C7340
R7351
QR7314
QR7312
R7314
R7313
R7312
C7338
C7341
C7325
C7344
C7345
R7303
R7348
Q7304
R7346
C7347
R7304
C7319
STEREO ADJ
C7315
C7314
TP7304
C7331
R7345
C7346
T7305
C7303
TP7303
R7316
C7343
C7348
T7304
FM DET (R)
C7318
C7312
C7313
R7317
C7304
R7302
FM DET (L)
C7317
VR7326
R7311
L7301
C7307
R7308
L7304
C7306
R7329
T7301
R7307
Q7301
C7316
VR7328
C7309
C7310
C7308
R7309
C7311
PILOT FREQ.
MAX ADJ
R7310

DECODER PACK C.B.A.	
Transistor	
Q7301	A-4
Q7302	C-2
Q7303	C-2
Q7304	B-3
Q7305	B-3
Q7306	B-4
Q7307	C-3
Transistor & Resistor	
QR7301	B-3
QR7302	B-3
QR7312	B-1
QR7313	B-1
QR7314	B-1
Integrated Circuit	
IC7301	B-1
IC7302	B-3
IC7303	B-4
Test Point	
TP7303	A-2
TP7304	A-2
Adjustment	
T7301	A-2
T7302	B-1
T7303	C-2
T7304	A-3
T7305	A-4
VR7301	B-2
VR7326	A-1
VR7328	A-1
VR7340	C-2
VR7342	C-3
VR7344	B-1

ADDRESS INFORMATION

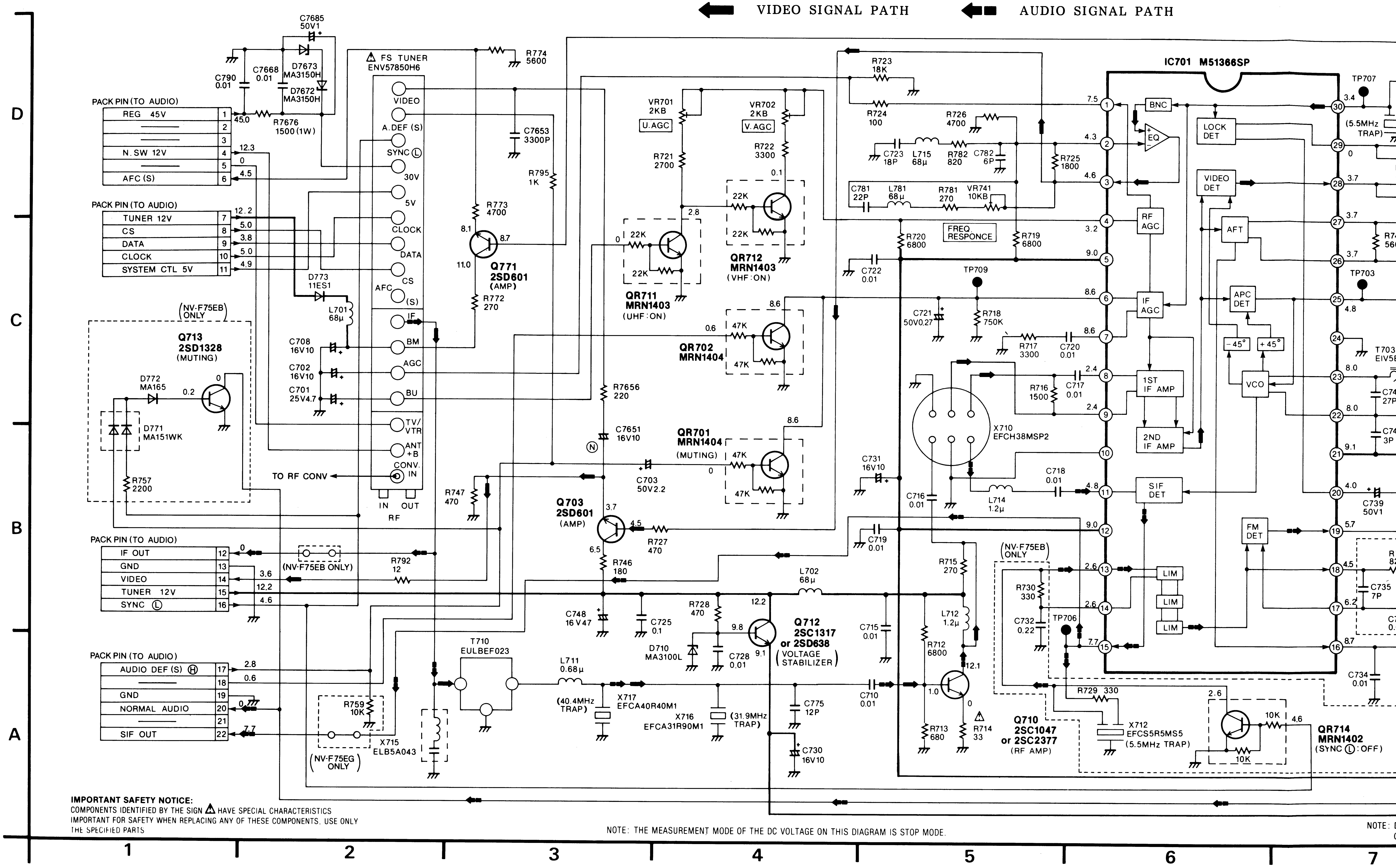
IC BLOCK

IC7301 (TDA3803A)


28
27
26
25
24
23
22
21
20
19
18
17
16
15
500
200
200
200
200
4.7K
60K
4.7K
4.7K
4.7K
DEMATRIX
A.F. OUTPUT SELECTOR
CONTROL LOGIC
AM DEMODU-LATOR
CONTROL VOLTAGE SENSOR
LED DRIVER
PILOT AMPLIFIER
IDENTIFI-CATION
SUPPLY
1.2K
1.2K
1
2
3
4
5
6
7
8
9
10
11
12
13
14

3-29. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-F75EG/EB)

VIDEO SIGNAL PATH   AUDIO SIGNAL PATH

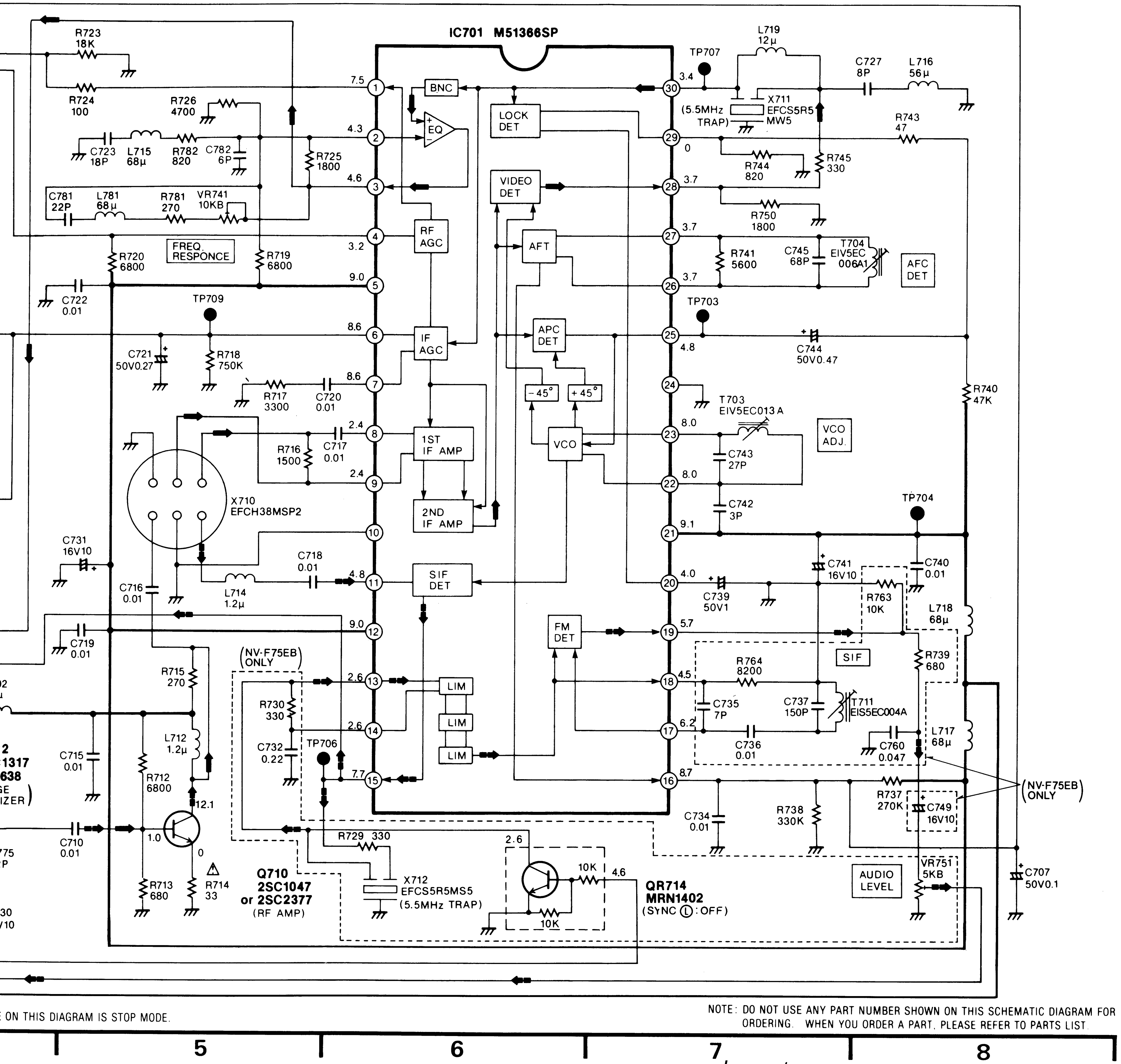


D
C
B
A
1
2
3
4
5
6
7
C7685 50V1
D7673 MA3150H
D7672 MA3150H
C7668 0.01
C790 0.01
R7676 1500 (1W)
PACK PIN (TO AUDIO)
REG 45V
N. SW 12V
AFC (S)
45.0
12.3
0
4.5
TUNER 12V
CS
DATA
CLOCK
SYSTEM CTL 5V
12.2
5.0
3.8
5.0
4.9
FS TUNER ENV57850H6
VIDEO
A.DEF (S)
SYNC Ⓛ
30V
5V
CLOCK
DATA
CS
AFC (S)
IF
BM
AGC
BU
TV/VTR
ANT +B
CONV. IN
IN OUT RF
TO RF CONV
R774 5600
C7653 3300P
R795 1K
R773 4700
Q771 2SD601 (AMP)
R772 270
8.1
8.7
11.0
D773 11ES1
L701 68μ
C708 16V10
C702 16V10
C701 25V4.7
(NV-F75EB ONLY)
Q713 2SD1328 (MUTING)
D772 MA165
D771 MA151WK
R757 2200
0.2
VR701 2KB U.AGC
VR702 2KB V.AGC
R721 2700
R722 3300
QR711 MRN1403 (UHF:ON)
QR712 MRN1403 (VHF:ON)
QR702 MRN1404
QR701 MRN1404 (MUTING)
22K
47K
R7656 220
C7651 16V10
C703 50V2.2
R747 470
Q703 2SD601 (AMP)
R746 180
R727 470
3.7
4.5
6.5
IF OUT
GND
VIDEO
TUNER 12V
SYNC Ⓛ
3.6
12.2
4.6
(NV-F75EB ONLY)
R792 12
AUDIO DEF (S) Ⓗ
GND
NORMAL AUDIO
SIF OUT
2.8
0.6
7.7
R759 10K
X715 ELB5A043
(NV-F75EG ONLY)
T710 EULBEF023
L711 0.68μ
(40.4MHz TRAP)
X717 EFCA40R40M1
X716 EFCA31R90M1
(31.9MHz TRAP)
C748 16V47
C725 0.1
R728 470
D710 MA3100L
C728 0.01
Q712 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
12.2
9.8
9.1
L702 68μ
C775 12P
C730 16V10
C715 0.01
C710 0.01
R712 6800
L712 1.2μ
R713 680
R714 33
Q710 2SC1047 or 2SC2377 (RF AMP)
1.0
12.1
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
FREQ. RESPONCE
R720 6800
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C731 16V10
C716 0.01
L714 1.2μ
C718 0.01
C719 0.01
R715 270
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
QR714 MRN1402 (SYNC Ⓛ:OFF)
2.6
4.6
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
APC DET
IF AGC
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
7.5
4.3
4.6
3.2
9.0
8.6
2.4
4.8
2.6
7.7
3.4
0
3.7
4.8
8.0
9.1
4.0
5.7
4.5
6.2
8.7
TP707
TP703
(5.5MHz TRAP)
T703
C739 50V1
C735 7P
C734 0.01

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS
IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY
THE SPECIFIED PARTS

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

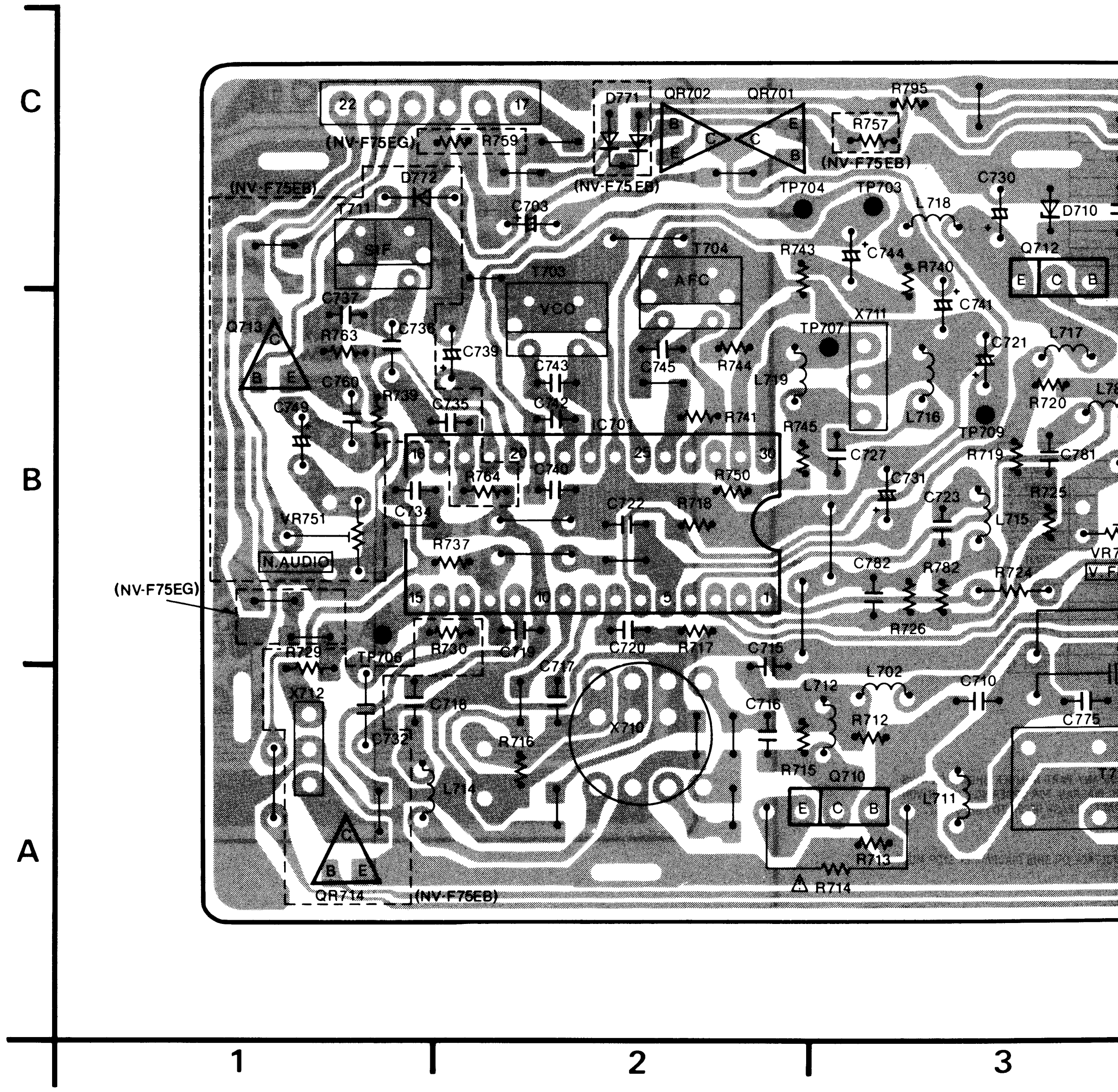
SIGNAL PATH ◀■ AUDIO SIGNAL PATH


IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
IF AGC
APC DET
−45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
LIM
LIM
FREQ RESPONCE
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
R720 6800
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C731 16V10
C716 0.01
C718 0.01
L714 1.2μ
C719 0.01
R715 270
L712 1.2μ
C715 0.01
R712 6800
R713 680
R714 33
C710 0.01
Q710 2SC1047 or 2SC2377 (RF AMP)
(NV-F75EB) ONLY
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
QR714 MRN1402 (SYNC Ⓛ: OFF)
10K
10K
TP707
L719 12μ
X711 EFCS5R5 MW5
(5.5MHz TRAP)
C727 8P
L716 56μ
R743 47
R744 820
R745 330
R750 1800
R741 5600
C745 68P
T704 EIV5EC 006A1
AFC DET
TP703
C744 50V0.47
R740 47K
T703 EIV5EC013A
VCO ADJ.
C743 27P
C742 3P
TP704
C741 16V10
C740 0.01
C739 50V1
R763 10K
L718 68μ
SIF
R764 8200
R739 680
C735 7P
C737 150P
T711 EIS5EC004A
C736 0.01
C760 0.047
L717 68μ
R737 270K
C749 16V10
(NV-F75EB) ONLY
C734 0.01
R738 330K
VR751 5KB
AUDIO LEVEL
C707 50V0.1
5
6
7
8

E ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST

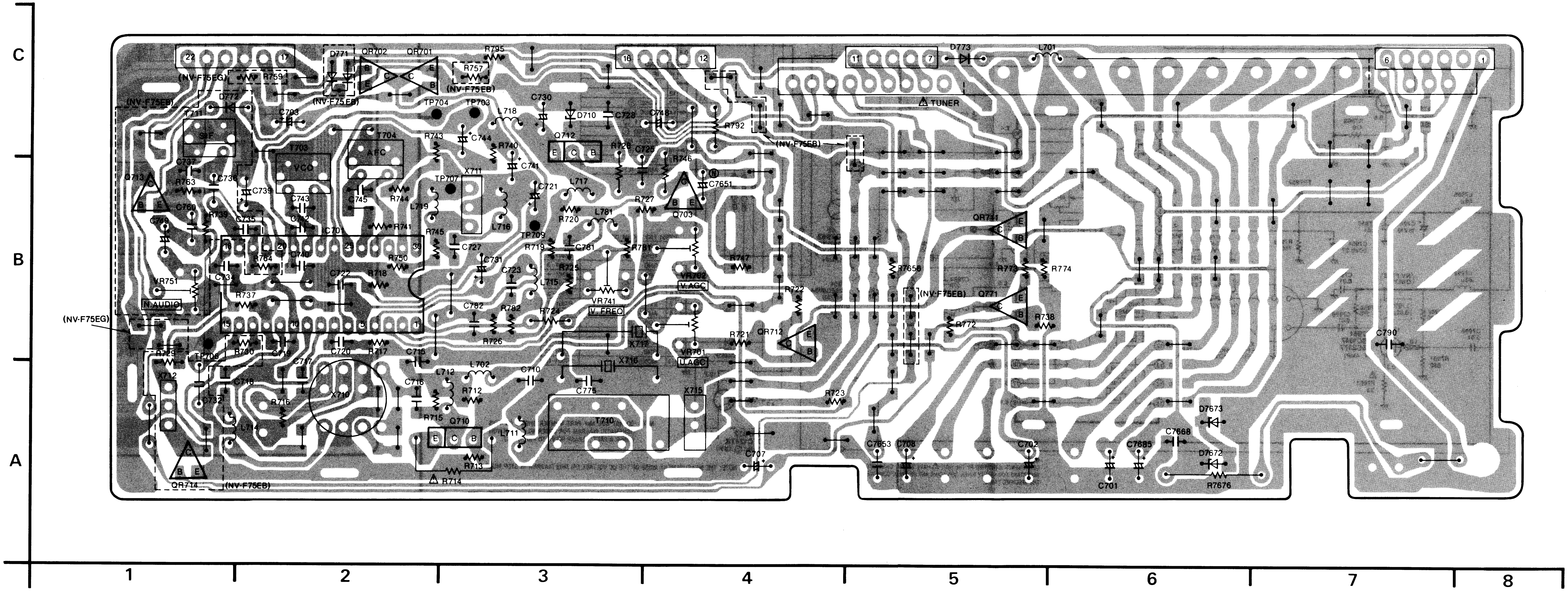
3-30. TV DEMODULATOR PACK C.B.A. (VEP07596A: NV-F75E


C
B
A
1
2
3
IC701
QR702
QR701
QR714
Q710
Q712
Q713
TP703
TP704
TP706
TP707
TP709
T703
T704
VCO
AFC
X710
X711
X712
VR751
N.AUDIO
(NV-F75EB)
(NV-F75EG)

3-30. TV DEMODULATOR PACK C.B.A. (VEP07596A: NV-F75EG) (VEP07596B: NV-F75EB)

TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q710	A-3	TP704	C-2
Q712	C-3	TP706	B-1
Q713	B-1	TP707	B-3
Q771	B-5	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	C-2
QR702	C-2	T704	C-2
QR711	B-5	T710	A-3
QR712	B-4	T711	C-1
QR714	A-1	VR701	B-4
Integrated Circuit		VR702	B-4
IC701	B-2	VR741	B-3
		VR751	B-1

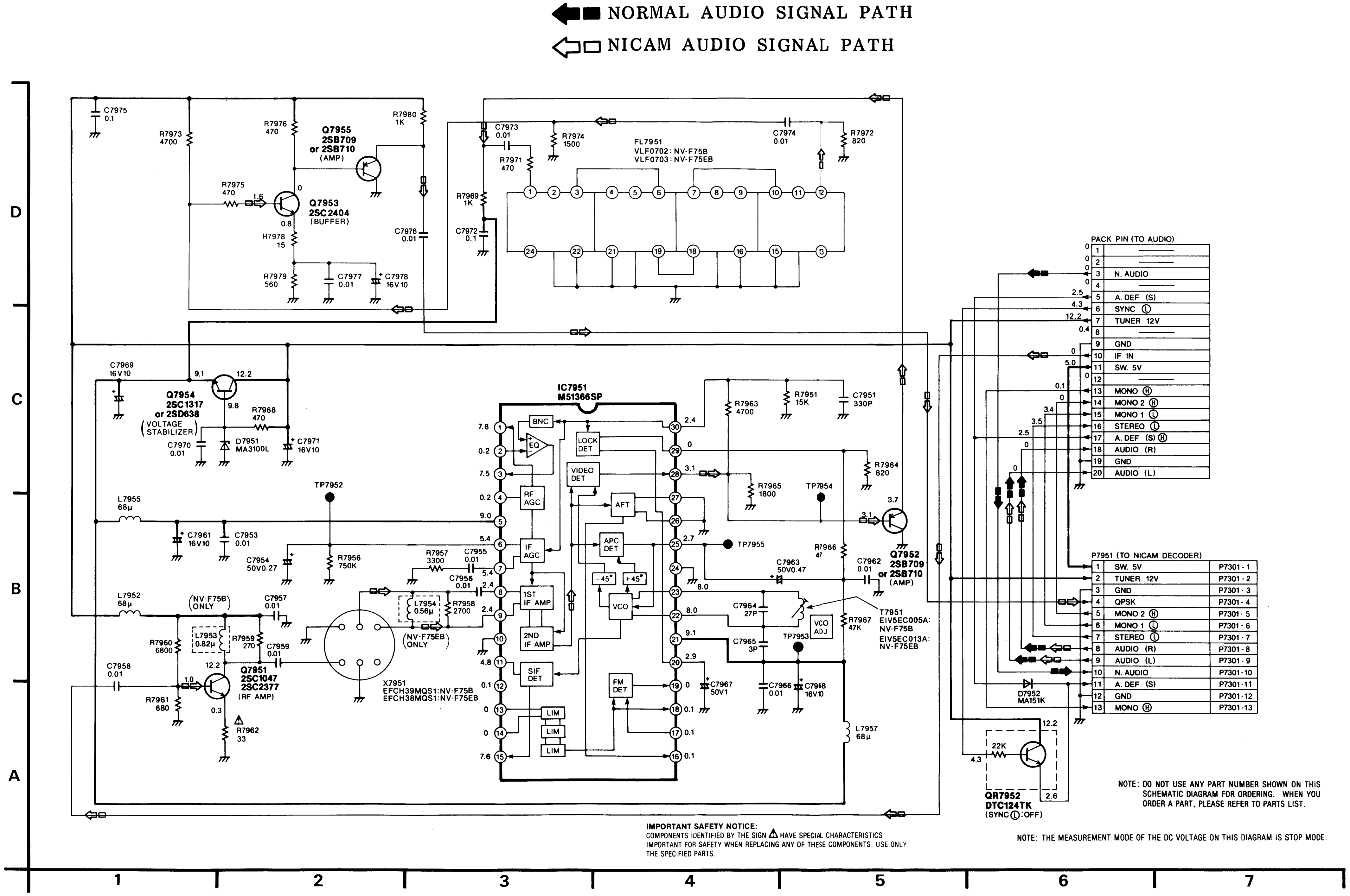
ADDRESS INFORMATION



C
B
A
1
2
3
4
5
6
7
8
(NV-F75EG)
(NV-F75EB)
(NV-F75EB)
TUNER
D773
L701
D771
QR702
QR701
R795
R757
R759
D772
T711
SIF
T703
VCO
T704
AFC
C703
TP704
TP703
L718
C730
D710
C728
C748
R792
Q712
E C B
R728
C725
R746
C7651
Q703
R727
L717
L781
R720
X711
TP707
TP709
L719
L716
C744
R740
C741
C721
R743
R744
R741
R745
C727
C731
C723
L715
R719
C781
R725
R781
R747
VR741
V. FREQ
V. AGC
U. AGC
VR701
VR702
R722
R721
QR712
R723
R7656
QR711
Q771
R773
R774
R772
R738
C790
Q713
R763
C737
C736
C739
C743
C742
C745
C735
C769
R739
C741
C701
IC701
R764
C740
C734
VR751
N.AUDIO
R737
C722
R718
R750
C782
R782
R726
R724
X715
X716
X719
C775
C710
R730
C717
C720
R717
C715
C716
L702
L712
R712
C777
X710
C718
R716
R715
Q710
E C B
R713
R714
L711
T710
C732
C733
L714
R729
TP706
X712
QR714
B E
C707
C7653
D708
C702
C7685
C7668
D7673
D7672
R7676
C701

Next Page:
SUB NICAM/NICAM DECODER Section

3-31. SUB NICAM PACK SCHEMATIC DIAGRAM (NV-F75B/EB)


NORMAL AUDIO SIGNAL PATH
NICAM AUDIO SIGNAL PATH
C7975 0.1
R7973 4700
R7976 470
Q7955 2SB709 or 2SB710 (AMP)
R7980 1K
R7975 470
Q7953 2SC2404 (BUFFER)
R7978 15
R7979 560
C7977 0.01
C7978 16V10
C7976 0.01
C7973 0.01
R7974 1500
R7971 470
R7969 1K
C7972 0.1
FL7951 VLF0702: NV-F75B VLF0703: NV-F75EB
C7974 0.01
R7972 820
C7969 16V10
Q7954 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
R7968 470
C7970 0.01
D7951 MA3100L
C7971 16V10
L7955 68μ
C7961 16V10
C7953 0.01
C7954 50V0.27
R7956 750K
TP7952
IC7951 M51366SP
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
LOCK DET
VIDEO DET
AFT
APC DET
-45°
+45°
VCO
FM DET
R7957 3300
C7955 0.01
C7956 0.01
L7954 0.56μ (NV-F75EB) ONLY
R7958 2700
L7952 68μ
(NV-F75B) ONLY
C7957 0.01
L7953 0.82μ
R7959 270
C7959 0.01
R7960 6800
C7958 0.01
R7961 680
Q7951 2SC1047 2SC2377 (RF AMP)
R7962 33
X7951 EFCH39MQS1: NV-F75B EFCH38MQS1: NV-F75EB
R7963 4700
R7951 15K
C7951 330P
R7964 820
R7965 1800
TP7954
TP7955
R7966 47
C7963 50V0.47
C7962 0.01
Q7952 2SB709 or 2SB710 (AMP)
C7964 27P
C7965 3P
TP7953
VCO ADJ
R7967 47K
T7951 EIV5EC005A: NV-F75B EIV5EC013A: NV-F75EB
C7967 50V1
C7966 0.01
C7948 16V10
L7957 68μ
PACK PIN (TO AUDIO)
1 ———
2 ———
3 N. AUDIO
4 ———
5 A. DEF (S)
6 SYNC Ⓛ
7 TUNER 12V
8 ———
9 GND
10 IF IN
11 SW. 5V
12 ———
13 MONO Ⓗ
14 MONO 2 Ⓗ
15 MONO 1 Ⓛ
16 STEREO Ⓛ
17 A. DEF (S) Ⓗ
18 AUDIO (R)
19 GND
20 AUDIO (L)
P7951 (TO NICAM DECODER)
1 SW. 5V P7301-1
2 TUNER 12V P7301-2
3 GND P7301-3
4 QPSK P7301-4
5 MONO 2 Ⓗ P7301-5
6 MONO 1 Ⓛ P7301-6
7 STEREO Ⓛ P7301-7
8 AUDIO (R) P7301-8
9 AUDIO (L) P7301-9
10 N. AUDIO P7301-10
11 A. DEF (S) P7301-11
12 GND P7301-12
13 MONO Ⓗ P7301-13
D7952 MA151K
22K
QR7952 DTC124TK (SYNC Ⓛ: OFF)
A
B
C
D
1
2
3
4
5
6
7

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

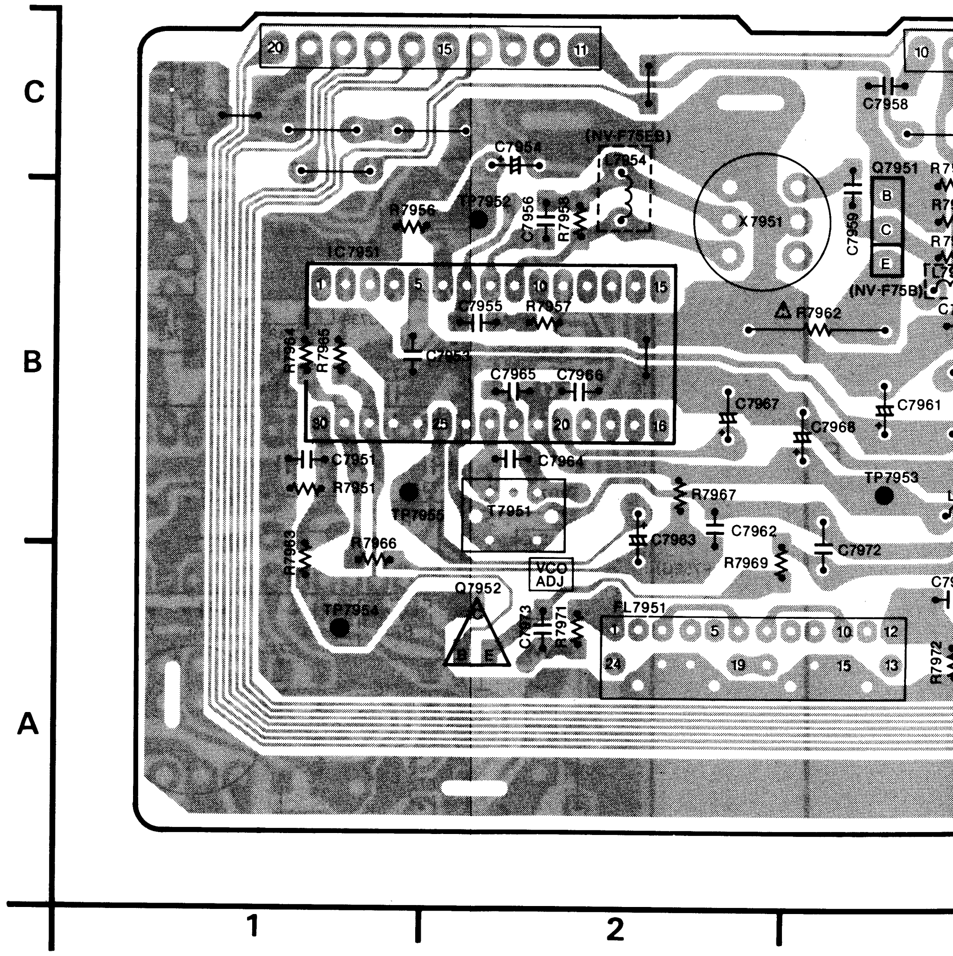
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-32. SUB NICAM PACK C.B.A.
(VEP07548A: NV-F75B) (VEP07548B: NV-F75

SUB	
Transistor	
Q7951 Q7952 Q7953 Q7954 Q7955	C-3 A-2 B-3 B-3 B-4
Transistor & Resistor	
QR7952	C-3
Integrated Circuit	
IC7951	B-1

ADDRESS INFORMATIC

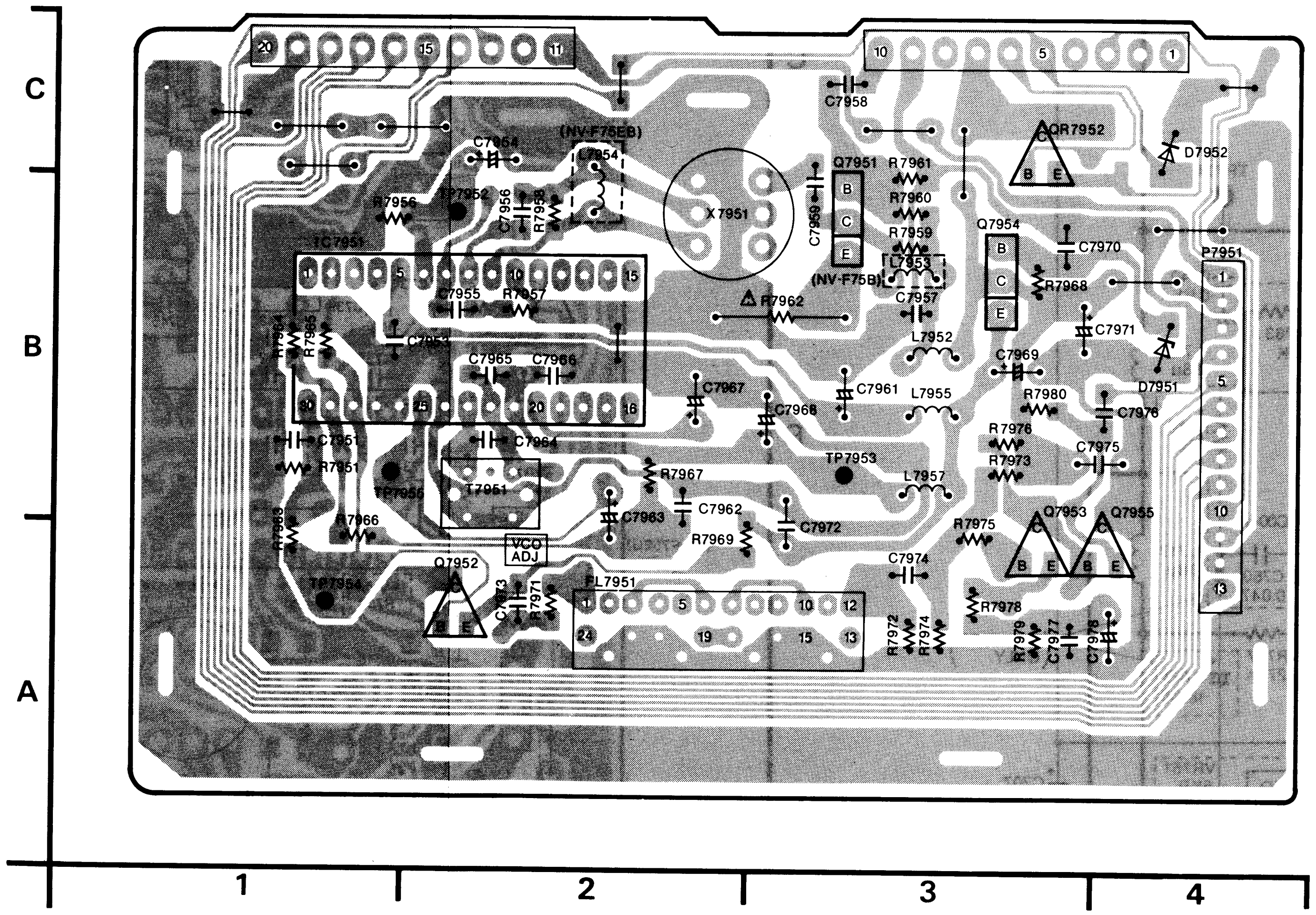

C
B
A
1
2
C7958
C7954
(NV-F75EB)
L7954
R7956
TP7952
C7956
R7958
X7951
Q7951
C7959
B
C
E
(NV-F75B)
IC7951
C7955
R7957
R7962
C7965
C7966
C7967
C7968
C7961
C7951
R7951
R7967
TP7953
TP7951
T7951
C7964
C7962
C7963
R7969
C7972
R7963
R7966
TP7954
Q7952
VCO ADJ
FL7951
C7973
R7971
R7972
R7964
R7965

3-32. SUB NICAM PACK C.B.A.
(VEP07548A: NV-F75B) (VEP07548B: NV-F75EB)

SUB NICAM PACK C.B.A.

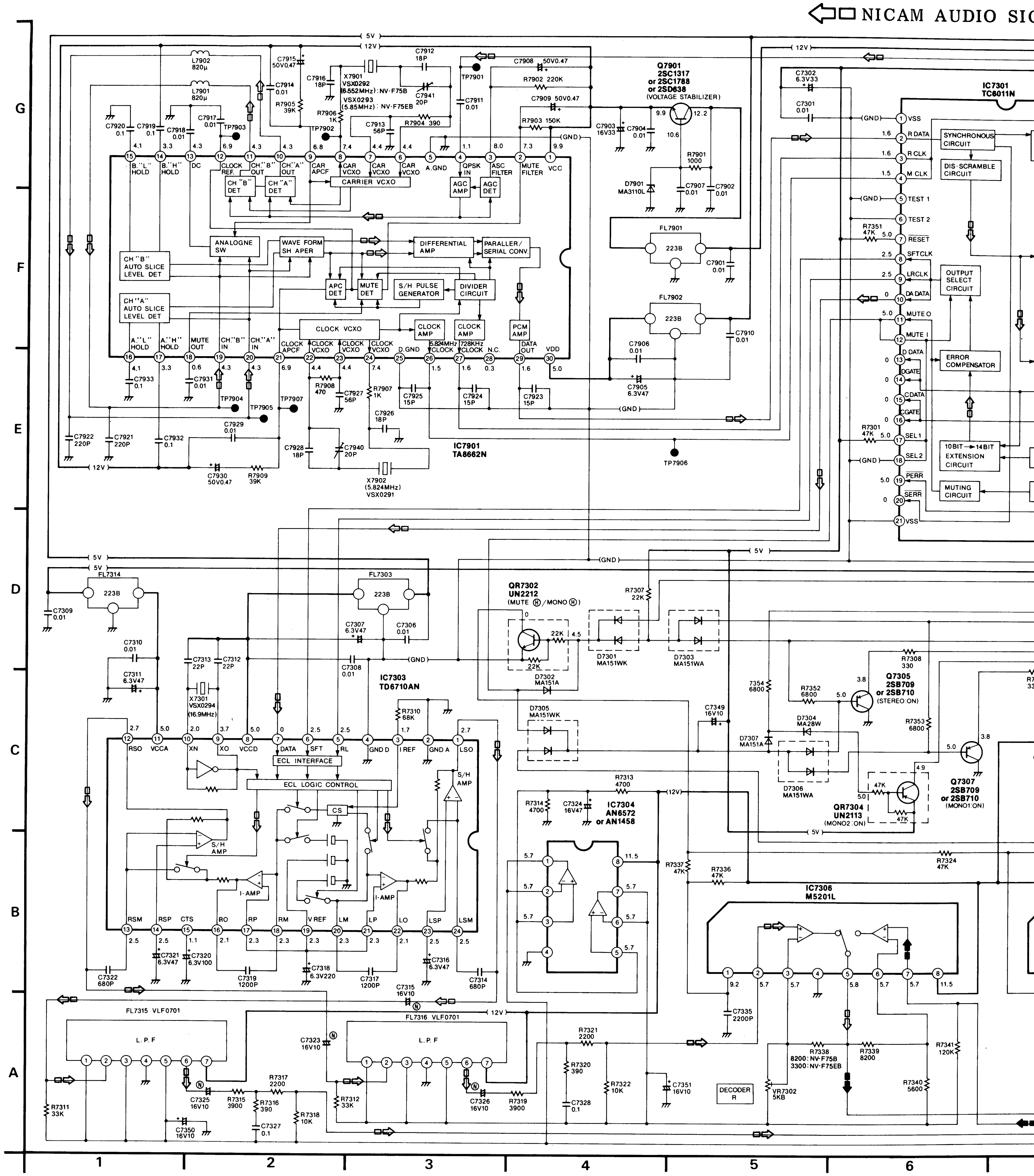
Transistor		**Test Point**	
Q7951	C-3	TP7952	B-2
Q7952	A-2	TP7953	B-3
Q7953	B-3	TP7954	A-1
Q7954	B-3	TP7955	B-1
Q7955	B-4	**Adjustment**	
Transistor & Resistor		T7951	B-2
QR7952	C-3	**Connector**	
Integrated Circuit		P7951	B-4
IC7951	B-1		

ADDRESS INFORMATION



C
B
A
1
2
3
4
(NV-F75EB)
(NV-F75B)
X7951
Q7951
Q7952
Q7953
Q7954
Q7955
QR7952
IC7951
T7951
VCO ADJ
FL7951
P7951
D7951
D7952
TP7952
TP7953
TP7954
TP7955
L7952
L7954
L7955
L7957
R7962
R7967
R7968
R7969
R7975
R7978
R7980
C7957
C7958
C7961
C7962
C7967
C7968
C7969
C7970
C7971
C7972
C7974
C7975
C7976

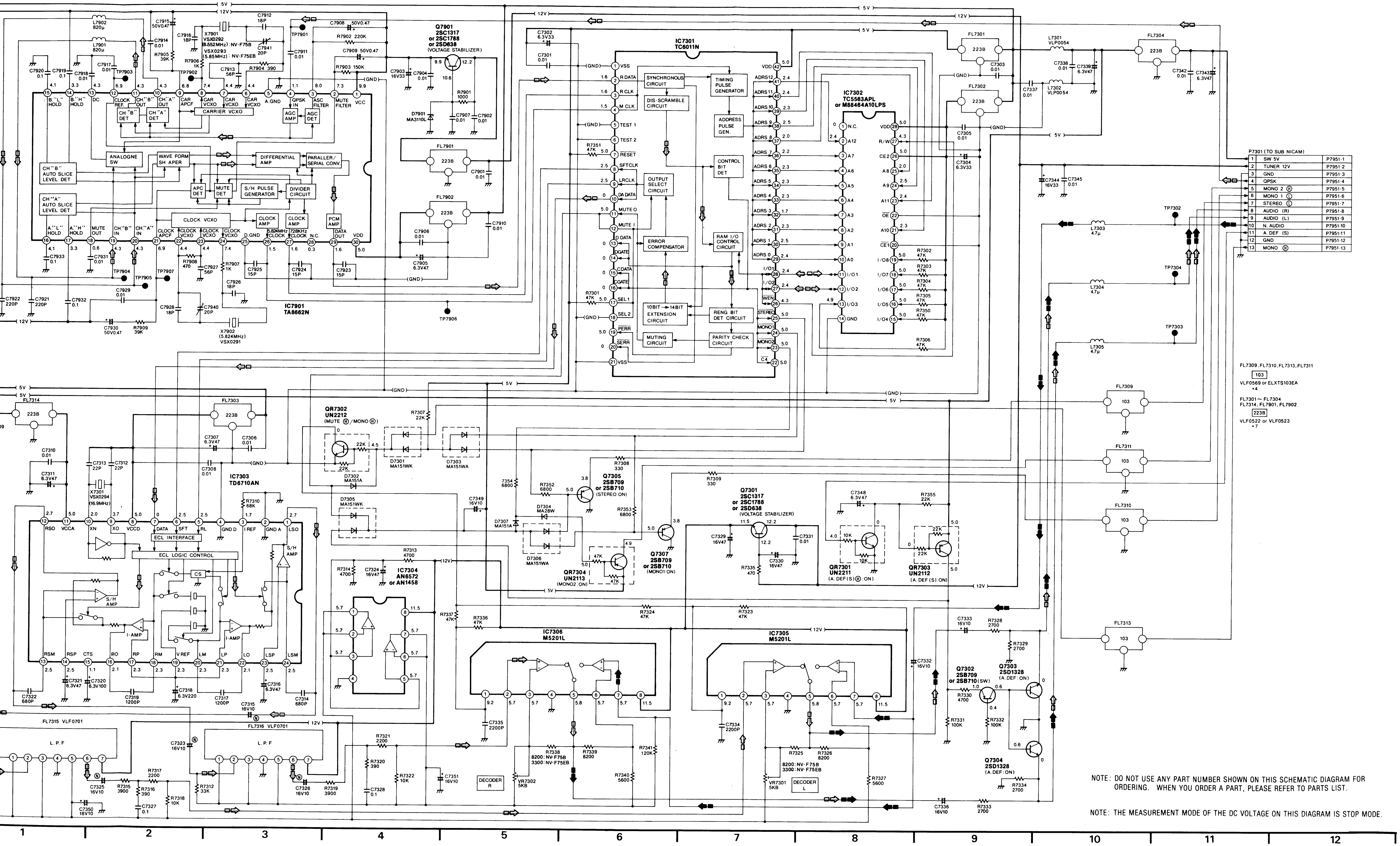
3-33. NICAM DECODER SCHEMATIC DIAGRAM (NV-F75B/EB)



NICAM AUDIO SIG
G
F
E
D
C
B
A
1
2
3
4
5
6
IC7901 TA8662N
IC7301 TC6011N
IC7303 TD6710AN
IC7304 AN6572 or AN1458
IC7306 M5201L
Q7901 2SC1317 or 2SC1788 or 2SD638 (VOLTAGE STABILIZER)
QR7302 UN2212 (MUTE Ⓗ/MONO Ⓗ)
Q7305 2SB709 or 2SB710 (STEREO:ON)
Q7307 2SB709 or 2SB710 (MONO1:ON)
QR7304 UN2113 (MONO2:ON)
X7901 VSX0292 (6.552MHz): NV-F75B VSX0293 (5.85MHz): NV-F75EB
X7902 (5.824MHz) VSX0291
X7301 VSX0294 (16.9MHz)
FL7901 223B
FL7902 223B
FL7303 223B
FL7314 223B
FL7315 VLF0701
FL7316 VLF0701
L.P.F
CARRIER VCXO
CLOCK VCXO
ANALOGNE SW
WAVE FORM SH APER
DIFFERENTIAL AMP
PARALLER/SERIAL CONV.
S/H PULSE GENERATOR
DIVIDER CIRCUIT
CH "B" AUTO SLICE LEVEL DET
CH "A" AUTO SLICE LEVEL DET
SYNCHRONOUS CIRCUIT
DIS-SCRAMBLE CIRCUIT
OUTPUT SELECT CIRCUIT
ERROR COMPENSATOR
10BIT→14BIT EXTENSION CIRCUIT
MUTING CIRCUIT
ECL INTERFACE
ECL LOGIC CONTROL
S/H AMP
I-AMP
DECODER R
VR7302 5KB
D7901 MA3110L
D7301 MA151WK
D7302 MA151A
D7303 MA151WA
D7304 MA28W
D7305 MA151WK
D7306 MA151WA
D7307 MA151A
R7338 8200:NV-F75B 3300:NV-F75EB
TP7901
TP7902
TP7903
TP7904
TP7905
TP7906
TP7907
5V
12V
(GND)

NICAM DECODER SCHEMATIC DIAGRAM (NV-F75B/EB)

⇦▭ NICAM AUDIO SIGNAL PATH ⬅■ NORMAL AUDIO SIGNAL PATH

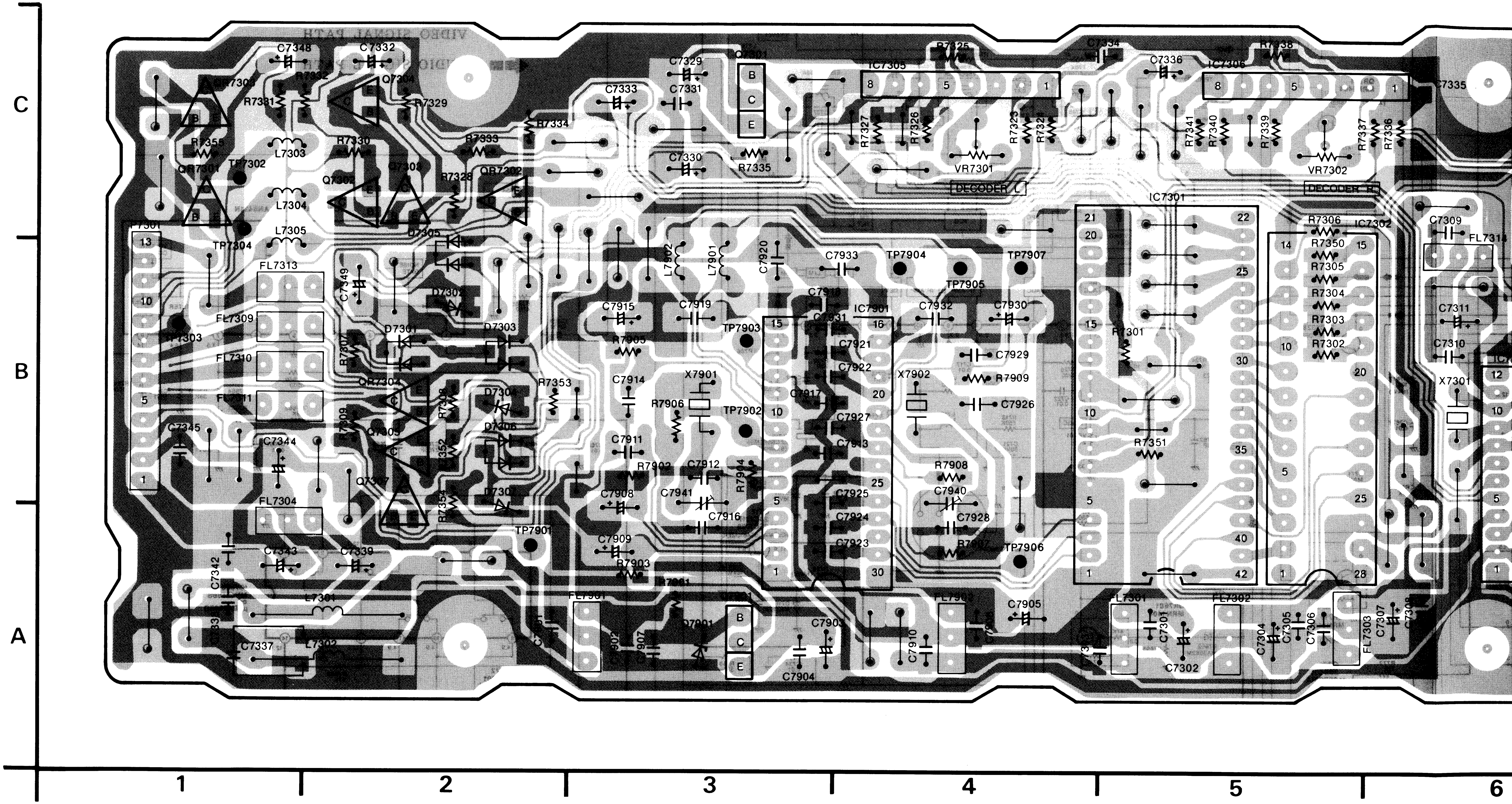


IC7901 TA8662N
IC7301 TC6011N
IC7302 TC5563APL or M88464A10LPS
IC7303 TD6710AN
IC7304 AN6572 or AN1458
IC7305 M5201L
IC7306 M5201L
Q7901 2SC1317 or 2SC1788 or 2SD638 (VOLTAGE STABILIZER)
Q7301 2SC1317 or 2SC1788 or 2SD638 (VOLTAGE STABILIZER)
Q7302 2SB709 2SB710(SW)
Q7303 2SD1328 (A.DEF:ON)
Q7304 2SD1328 (A.DEF:ON)
Q7305 2SB709 or 2SB710 (STEREO:ON)
Q7307 2SB709 or 2SB710 (MONO1:ON)
QR7301 UN2211 (A.DEF(S)Ⓗ:ON)
QR7302 UN2212 (MUTE Ⓗ/MONO Ⓗ)
QR7303 UN2112 (A.DEF (S):ON)
QR7304 UN2113 (MONO2:ON)
D7301 MA151WK
D7302 MA151A
D7303 MA151WA
D7304 MA28W
D7305 MA151WK
D7306 MA151WA
D7307 MA151A
D7901 MA3110L
X7901 VSX0292 (8.552MHz):NV-F75B VSX0293 (5.85MHz):NV-F75EB
X7902 (5.824MHz) VSX0291
X7301 VSX0294 (16.9MHz)
CARRIER VCXO
ANALOGNE SW
WAVE FORM SH APER
DIFFERENTIAL AMP
PARALLER/ SERIAL CONV.
S/H PULSE GENERATOR
DIVIDER CIRCUIT
APC DET
MUTE DET
CLOCK VCXO
CLOCK AMP
PCM AMP
CH "B" AUTO SLICE LEVEL DET
CH "A" AUTO SLICE LEVEL DET
SYNCHRONOUS CIRCUIT
DIS-SCRAMBLE CIRCUIT
TIMING PULSE GENERATOR
ADDRESS PULSE GEN.
CONTROL BIT DET
OUTPUT SELECT CIRCUIT
ERROR COMPENSATOR
RAM I/O CONTROL CIRCUIT
10BIT→14BIT EXTENSION CIRCUIT
RENG BIT DET CIRCUIT
MUTING CIRCUIT
PARITY CHECK CIRCUIT
ECL INTERFACE
ECL LOGIC CONTROL
S/H AMP
I-AMP
L.P.F
FL7315 VLF0701
FL7316 VLF0701
DECODER R
DECODER L
P7301 (TO SUB NICAM)
1 SW 5V P7951-1
2 TUNER 12V P7951-2
3 GND P7951-3
4 QPSK P7951-4
5 MONO 2 Ⓗ P7951-5
6 MONO 1 Ⓛ P7951-6
7 STEREO Ⓛ P7951-7
8 AUDIO (R) P7951-8
9 AUDIO (L) P7951-9
10 N. AUDIO P7951-10
11 A. DEF (S) P7951-11
12 GND P7951-12
13 MONO Ⓗ P7951-13
FL7309, FL7310, FL7313, FL7311
103
VLF0569 or ELXTS103EA
×4
FL7301～FL7304
FL7314, FL7901, FL7902
223B
VLF0522 or VLF0523
×7
1
2
3
4
5
6
7
8
9
10
11
12

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-34. NICAM DECODER C.B.A. (VEP07549A: NV-F75B) (VEP07549B: NV-F75EB)


C
B
A
1
2
3
4
5
6
C7348
C7332
QR7303
R7332
Q7304
R7331
R7329
R7355
L7303
R7330
R7333
R7334
QR7301
TP7302
Q7302
Q7303
R7328
QR7302
L7304
D7305
TP7304
L7305
FL7313
C7349
D7302
FL7309
D7301
D7303
FL7310
R7307
QR7304
R7353
FL7311
D7304
R7309
Q7305
D7306
C7345
C7344
R7352
Q7307
R7354
D7307
FL7304
TP7901
TP7303
C7342
C7343
C7339
L7301
C7337
L7302
C7329
Q7301
C7333
C7331
C7330
R7335
B
C
E
IC7305
R7325
C7334
C7336
IC7306
R7338
C7335
R7327
R7326
R7323
R7341
R7340
R7339
R7337
R7336
VR7301
VR7302
DECODER L
DECODER R
IC7301
IC7302
R7306
R7350
R7305
R7304
R7303
R7302
R7301
R7351
C7309
FL7312
C7311
C7310
X7301
L7902
L7901
C7920
C7933
TP7904
TP7907
TP7905
C7915
C7919
C7918
C7931
IC7901
C7932
C7930
TP7903
R7905
C7921
C7922
C7929
R7909
X7901
X7902
C7914
R7906
TP7902
C7917
C7926
C7927
C7913
C7911
R7902
C7912
R7904
R7908
C7908
C7941
C7916
C7925
C7940
C7924
C7928
C7909
C7923
R7907
TP7906
R7903
R7901
FL7901
D7901
FL7902
C7905
C7903
C7904
C7910
C7907
FL7301
C7301
C7302
FL7302
C7304
C7305
C7306
FL7303
C7307
C7308
1
5
8
10
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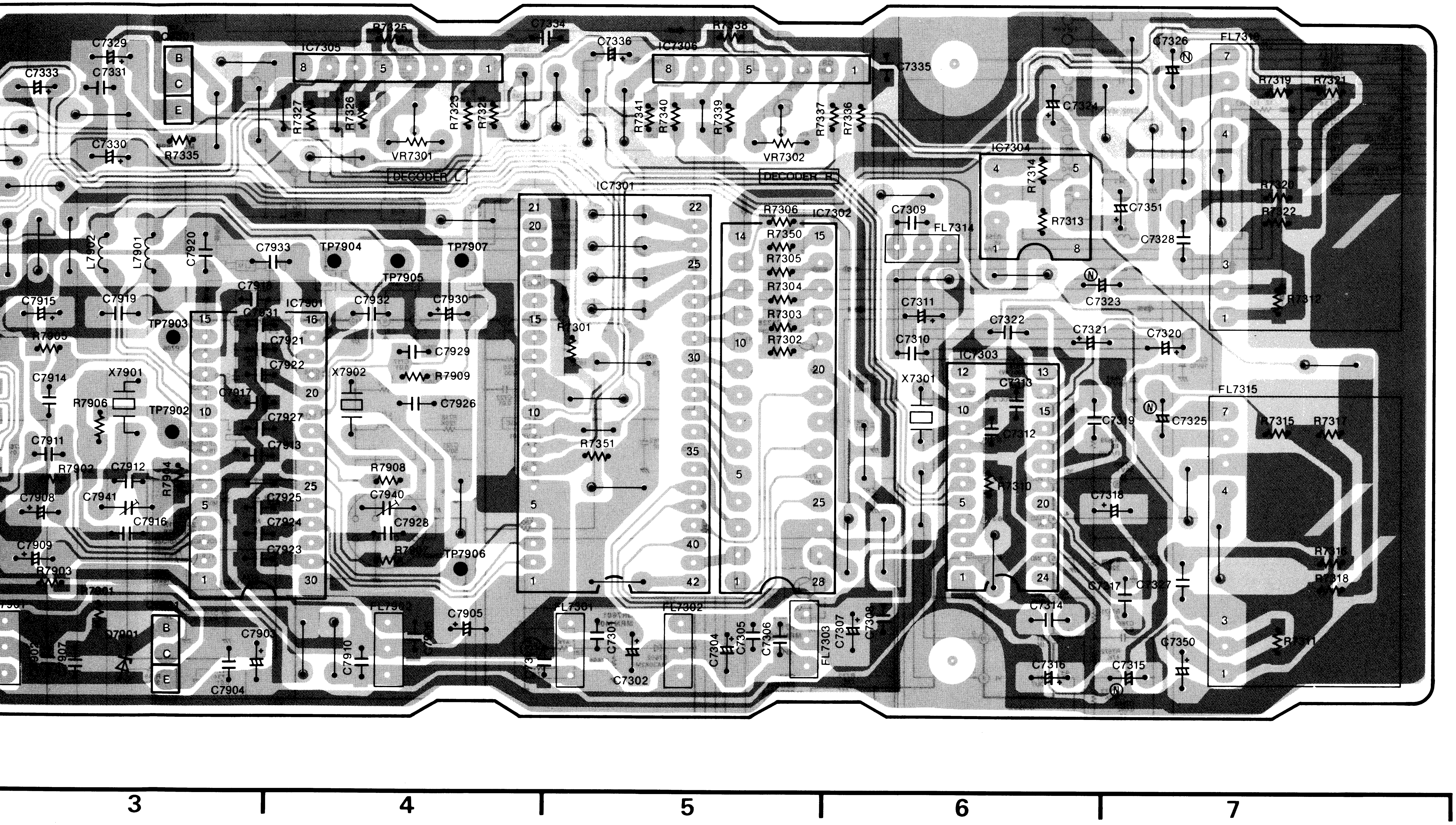
42


IC7305
IC7306
IC7301
IC7302
IC7303
IC7304
IC7901
C7301
C7302
C7304
C7305
C7306
C7307
C7308
C7309
C7310
C7311
C7312
C7313
C7314
C7315
C7316
C7317
C7318
C7319
C7320
C7321
C7322
C7323
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C7325
C7326
C7327
C7328
C7329
C7330
C7331
C7333
C7334
C7335
C7336
C7350
C7351
C7903
C7904
C7905
C7908
C7909
C7910
C7911
C7912
C7913
C7914
C7915
C7916
C7917
C7919
C7920
C7921
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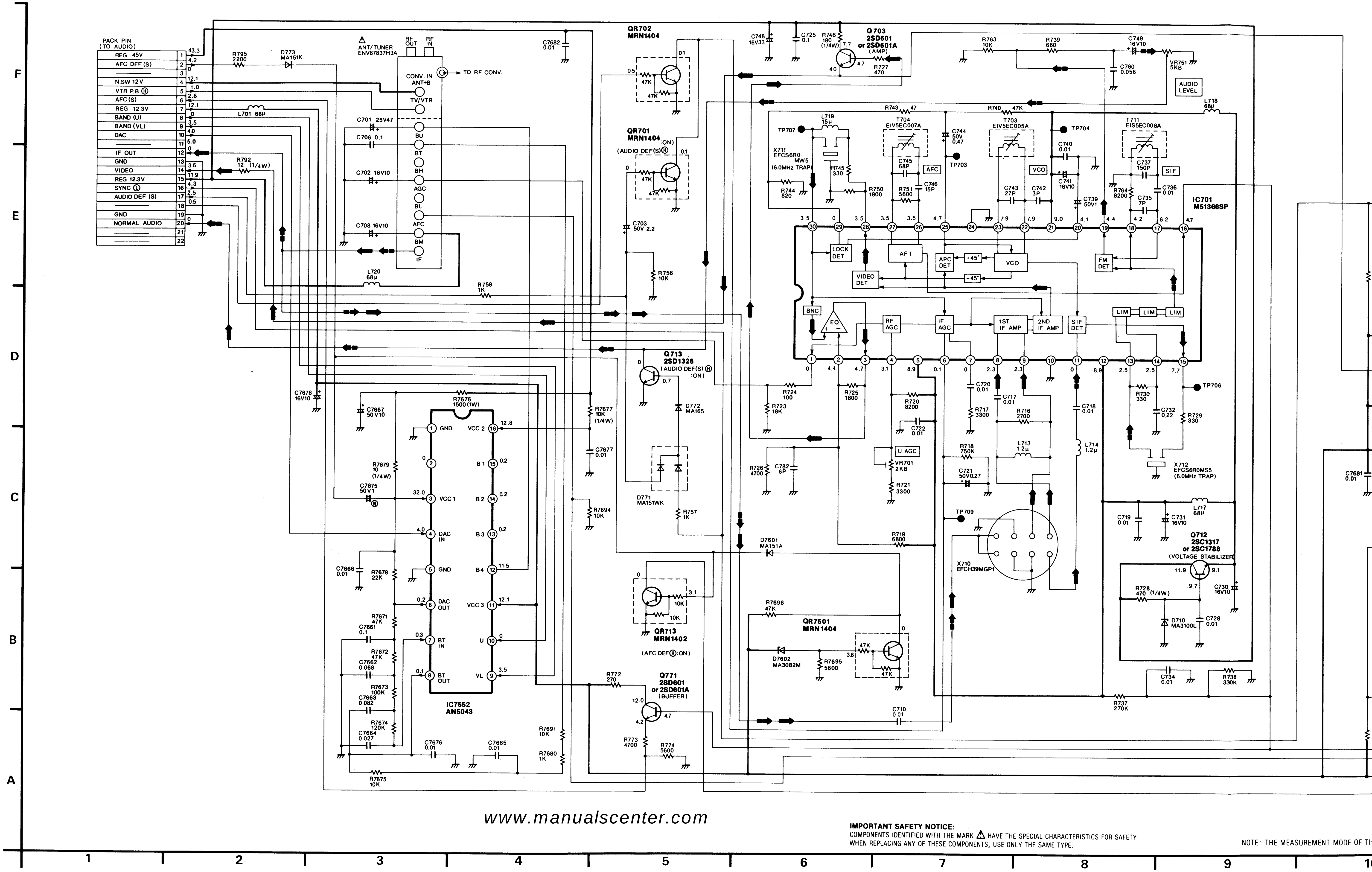
C7923
C7924
C7925
C7926
C7927
C7928
C7929
C7930
C7931
C7932
C7933
C7940
C7941
R7301
R7302
R7303
R7304
R7305
R7306
R7310
R7311
R7312
R7313
R7314
R7315
R7317
R7318
R7319
R7321
R7322
R7323
R7326
R7327
R7335
R7336
R7337
R7339
R7340
R7341
R7350
R7351
R7902
R7903
R7906
R7908
R7909
VR7301
VR7302
DECODER L
DECODER R
X7301
X7901
X7902
TP7902
TP7903
TP7904
TP7905
TP7906
TP7907
L7901
L7902
FL7301
FL7302
FL7303
FL7314
FL7315
FL7316
FL7902
Q7901
D7901
B
C
E
3
4
5
6
7

NICAM DECODER C.B.A.	
Transistor	
Q7301	C-3
Q7302	C-2
Q7303	C-2
Q7304	C-2
Q7305	B-2
Q7307	B-2
Q7901	A-3
Transistor & Resistor	
QR7301	C-1
QR7302	C-2
QR7303	C-1
QR7304	B-2
Integrated Circuit	
IC7301	B-5
IC7302	B-5
IC7303	B-6
IC7304	C-6
IC7305	C-4
IC7306	C-5
IC7901	B-4
Test Point	
TP7302	C-1
TP7303	B-1
TP7304	B-1
TP7901	A-2
TP7902	B-3
TP7903	B-3
TP7904	B-4
TP7905	B-4
TP7906	A-4
TP7907	B-4
Adjustment	
C7940	A-4
C7941	A-3
VR7301	C-4
VR7302	C-5
Connector	
P7301	C-1

ADDRESS INFORMATION

Next Page:
TV DEMODULATOR PACK Section

3-35. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-F75B)


PACK PIN (TO AUDIO)
1 REG 45V 43.3
2 AFC DEF (S) 4.2
3 0
4 N.SW 12V 12.1
5 VTR P.B Ⓗ 1.0
6 AFC (S) 2.8
7 REG 12.3V 12.1
8 BAND (U) 0
9 BAND (VL) 3.5
10 DAC 4.0
11 5.0
12 IF OUT 0
13 GND 3.6
14 VIDEO 11.9
15 REG 12.3V 4.3
16 SYNC Ⓛ 2.5
17 AUDIO DEF (S) 0.5
18
19 GND
20 NORMAL AUDIO 0
21
22
R795 2200
D773 MA151K
L701 68μ
R792 12 (1/4W)
⚠ ANT/TUNER ENV87837H3A
RF OUT
RF IN
TO RF CONV.
CONV. IN ANT+B
TV/VTR
BU
BT
BH
AGC
BL
AFC
BM
IF
C701 25V47
C706 0.1
C702 16V10
C708 16V10
L720 68μ
R758 1K
C7682 0.01
QR702 MRN1404
QR701 MRN1404 :ON)
(AUDIO DEF(S)Ⓗ
C703 50V 2.2
R756 10K
Q713 2SD1328 (AUDIO DEF(S) Ⓗ :ON)
D772 MA165
D771 MA151WK
R757 1K
R7677 10K (1/4W)
C7677 0.01
R7694 10K
D7601 MA151A
QR713 MRN1402
(AFC DEF Ⓗ :ON)
R772 270
Q771 2SD601 or 2SD601A (BUFFER)
R773 4700
R774 5600
R7691 10K
R7680 1K
C7678 16V10
C7667 50V10
R7676 1500 (1W)
R7679 10 (1/4W)
C7675 50V1
C7666 0.01
R7678 22K
R7671 47K
C7661 0.1
R7672 47K
C7662 0.068
R7673 100K
C7663 0.082
R7674 120K
C7664 0.027
C7676 0.01
C7665 0.01
R7675 10K
IC7652 AN5043
GND
VCC 2
VCC 1
DAC IN
DAC OUT
BT IN
BT OUT
B1
B2
B3
B4
VCC 3
U
VL
C748 16V33
C725 0.1
R746 180 (1/4W)
Q703 2SD601 or 2SD601A (AMP)
R727 470
R763 10K
R739 680
C749 16V10
VR751 5KB
C760 0.056
AUDIO LEVEL
L718 68μ
R743 47
R740 47K
TP707
L719 15μ
X711 EFCS6R0-MW5 (6.0MHz TRAP)
R744 820
R745 330
R750 1800
T704 EIV5EC007A
C745 68P
AFC
R751 5600
C746 15P
C744 50V 0.47
TP703
T703 EIV5EC005A
VCO
C743 27P
C742 3P
TP704
C740 0.01
C741 16V10
C739 50V1
T711 EIS5EC008A
C737 150P
SIF
R764 8200
C735 7P
C736 0.01
IC701 M51366SP
LOCK DET
AFT
VIDEO DET
APC DET
+45°
-45°
FM DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
TP706
R724 100
R723 18K
R725 1800
R720 8200
C722 0.01
C720 0.01
C717 0.01
R717 3300
R716 2700
C718 0.01
R730 330
C732 0.22
R729 330
U.AGC
VR701 2KB
R721 3300
R718 750K
L713 1.2μ
L714 1.2μ
X712 EFCS6R0MS5 (6.0MHz TRAP)
R726 4700
C782 6P
C721 50V0.27
TP709
X710 EFCH39MGP1
R719 6800
C719 0.01
C731 16V10
L717 68μ
Q712 2SC1317 or 2SC1788 (VOLTAGE STABILIZER)
R728 470 (1/4W)
C730 16V10
D710 MA3100L
C728 0.01
R7696 47K
QR7601 MRN1404
D7602 MA3082M
R7695 5600
C710 0.01
C734 0.01
R738 330K
R737 270K
C7681 0.01
F
E
D
C
B
A
1
2
3
4
5
6
7
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9

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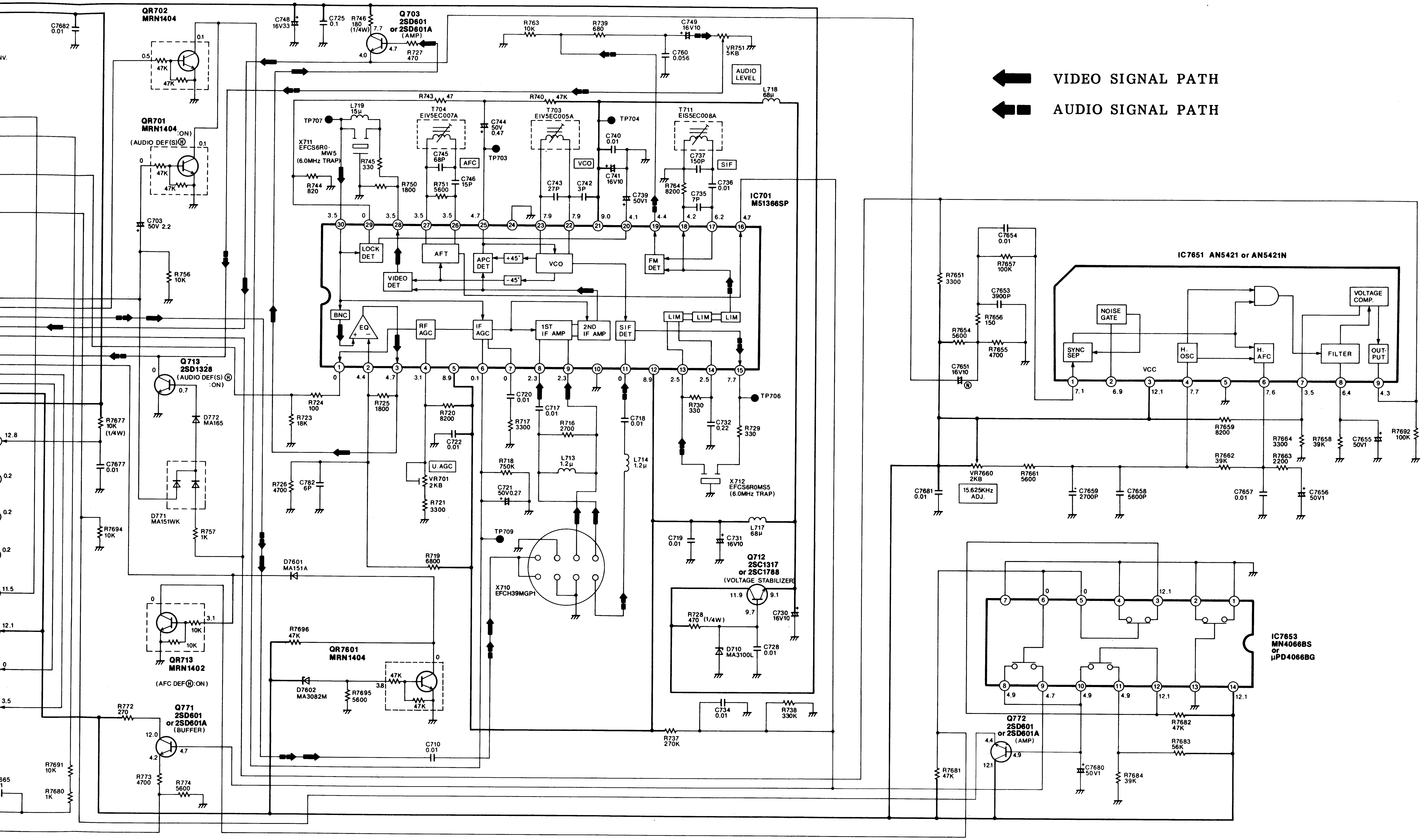
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF TH

M (NV-F75B)


VIDEO SIGNAL PATH
AUDIO SIGNAL PATH
QR702 MRN1404
QR701 MRN1404
(AUDIO DEF(S)Ⓗ:ON)
Q703 2SD601 or 2SD601A (AMP)
C7682 0.01
C748 16V33
C725 0.1
R746 180 (1/4W)
R727 470
R763 10K
R739 680
C749 16V10
C760 0.056
VR751 5KB
AUDIO LEVEL
L718 68µ
R743 47
R740 47K
TP707
L719 15µ
X711 EFCS6R0-MW5 (6.0MHz TRAP)
R744 820
R745 330
R750 1800
T704 EIV5EC007A
C744 50V 0.47
TP703
C745 68P
AFC
R751 5600
C746 15P
T703 EIV5EC005A
C743 27P
C742 3P
VCO
TP704
C740 0.01
C741 16V10
C739 50V1
T711 EIS5EC008A
C737 150P
SIF
R764 8200
C735 7P
C736 0.01
IC701 M51366SP
LOCK DET
AFT
APC DET
+45°
-45°
VCO
FM DET
VIDEO DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
LIM
LIM
C703 50V 2.2
R756 10K
Q713 2SD1328 (AUDIO DEF(S)Ⓗ:ON)
R724 100
R723 18K
R725 1800
D772 MA165
R7677 10K (1/4W)
C7677 0.01
R7694 10K
D771 MA151WK
R757 1K
C720 0.01
R717 3300
C717 0.01
R716 2700
L713 1.2µ
C718 0.01
L714 1.2µ
R730 330
C732 0.22
R729 330
TP706
X712 EFCS6R0MS5 (6.0MHz TRAP)
R720 8200
C722 0.01
U.AGC
VR701 2KB
R721 3300
R718 750K
C721 50V0.27
R726 4700
C782 6P
TP709
X710 EFCH39MGP1
R719 6800
D7601 MA151A
C719 0.01
C731 16V10
L717 68µ
Q712 2SC1317 or 2SC1788 (VOLTAGE STABILIZER)
R728 470 (1/4W)
D710 MA3100L
C730 16V10
C728 0.01
QR713 MRN1402 (AFC DEFⒽ:ON)
R7696 47K
QR7601 MRN1404
D7602 MA3082M
R7695 5600
C734 0.01
R738 330K
R737 270K
C710 0.01
R772 270
Q771 2SD601 or 2SD601A (BUFFER)
R773 4700
R774 5600
R7691 10K
R7680 1K
IC7651 AN5421 or AN5421N
NOISE GATE
SYNC SEP
H. OSC
H. AFC
FILTER
OUT-PUT
VOLTAGE COMP.
VCC
C7654 0.01
R7657 100K
R7651 3300
C7653 3900P
R7656 150
R7654 5600
R7655 4700
C7651 16V10
R7659 8200
R7664 3300
R7658 39K
C7655 50V1
R7692 100K
R7663 2200
R7662 39K
VR7660 2KB
15.625KHz ADJ.
R7661 5600
C7681 0.01
C7659 2700P
C7658 5600P
C7657 0.01
C7656 50V1
IC7653 MN4066BS or µPD4066BG
Q772 2SD601 or 2SD601A (AMP)
R7682 47K
R7683 56K
C7680 50V1
R7684 39K
R7681 47K

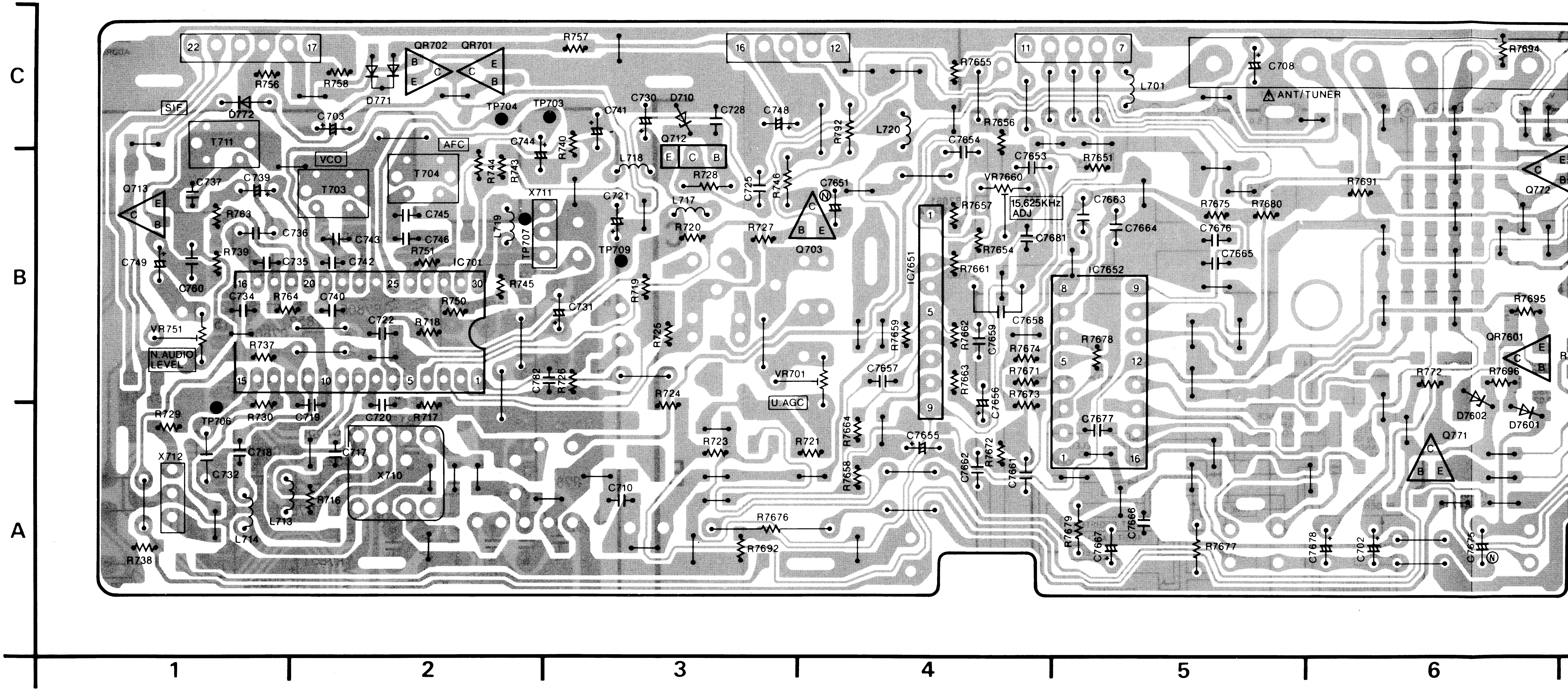
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

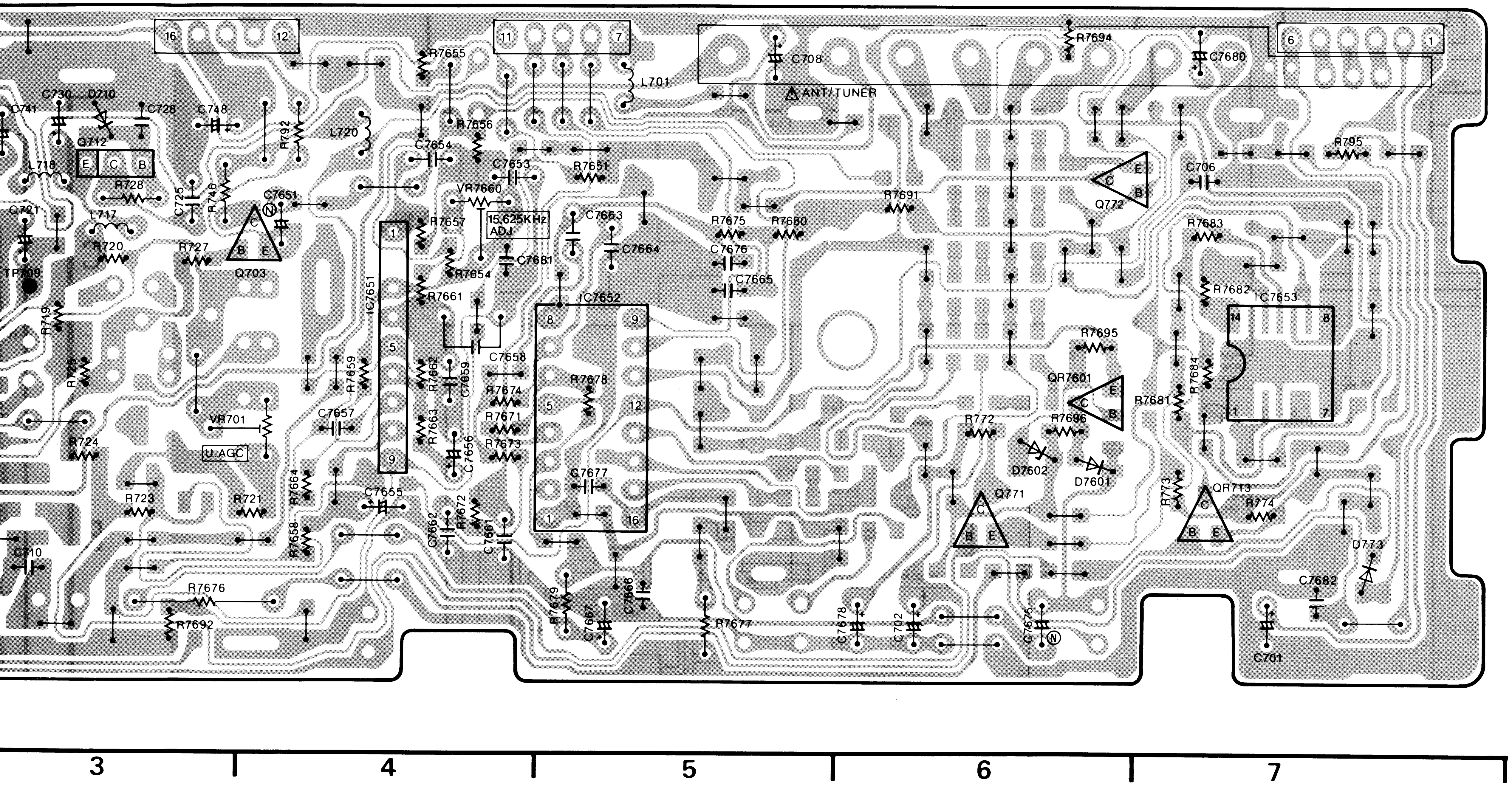
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

4 5 6 7 8 9 10 11 12 13

3-36. TV DEMODULATOR PACK C.B.A. (VEP07592E: NV-F75B)


C
B
A
1
2
3
4
5
6
22
17
16
12
11
7
QR702
QR701
R757
R7694
R7655
C708
ANT/TUNER
L701
R756
R758
D771
SIF
D772
C703
TP704
TP703
C741
C730
D710
C728
C748
R792
L720
C7654
R7656
T711
VCO
AFC
T704
T703
C744
R740
R744
R743
L718
Q712
E
C
B
R728
C725
R746
C7651
C7653
R7651
VR7660
15.625KHz
ADJ
C7663
R7691
Q772
Q713
C737
C739
R763
C745
C746
X711
L719
TP707
C721
L717
R720
R727
Q703
R7657
R7675
R7680
C7676
C7664
C7681
R7654
C7665
C736
C743
R751
TP709
IC7651
R7661
IC7652
C749
R739
C735
C742
IC701
C760
16
20
25
30
R745
R719
C731
R750
C734
R764
C740
C722
R718
R7695
VR751
R737
N.AUDIO
LEVEL
R725
R7659
R7662
C7659
C7658
R7678
R7674
QR7601
15
10
5
1
C782
R726
VR701
R724
C7657
U.AGC
R7663
R7671
R7673
C7656
R772
R7696
D7602
D7601
R729
TP706
R730
C719
C720
R717
R723
R721
R7664
C7655
C7677
Q771
X712
C718
C717
X710
C732
R716
L713
L714
C710
R7658
C7662
R7672
C7661
R7676
R7679
C7667
C7666
R7677
C7678
C702
C7675
R738
R7692
9
8
12
16


16
12
11
7
6
1
R7655
R7694
C708
C7680
L701
ANT/TUNER
C741
C730
D710
C728
C748
R792
L720
R7656
C7654
C7653
R7651
Q712
E C B
L718
R728
C725
R746
C7651
VR7660
15.625KHz ADJ
C7663
R7691
R7675
R7680
C7664
Q772
C706
R795
C721
L717
R720
R727
Q703
R7657
R7654
C7681
C7676
C7665
R7683
TP709
R719
IC7651
R7661
IC7652
R7682
IC7653
R7695
R725
R7659
R7662
C7659
C7658
R7678
R7674
QR7601
R7684
R7681
14
8
VR701
U.AGC
C7657
R7663
R7671
C7656
R7673
R772
R7696
D7602
D7601
R724
C7677
R773
QR713
Q771
R774
D773
R723
R721
R7664
C7655
R7672
C7662
C7661
R7658
C710
R7676
R7692
R7679
C7667
C7666
R7677
C7678
C702
C7675
C7682
C701
3
4
5
6
7

Transistor	
Q703	B-4
Q712	B-3
Q713	B-1
Q771	A-6
Q772	B-6

Transistor & Resistor	
QR701	C-2
QR702	C-2
QR713	A-7
QR7601	B-6

Integrated Circuit	
IC701	B-2
IC7651	B-4
IC7652	B-5
IC7653	B-7

Test Point	
TP703	C-3
TP704	C-2
TP706	A-1
TP707	B-2
TP709	B-3

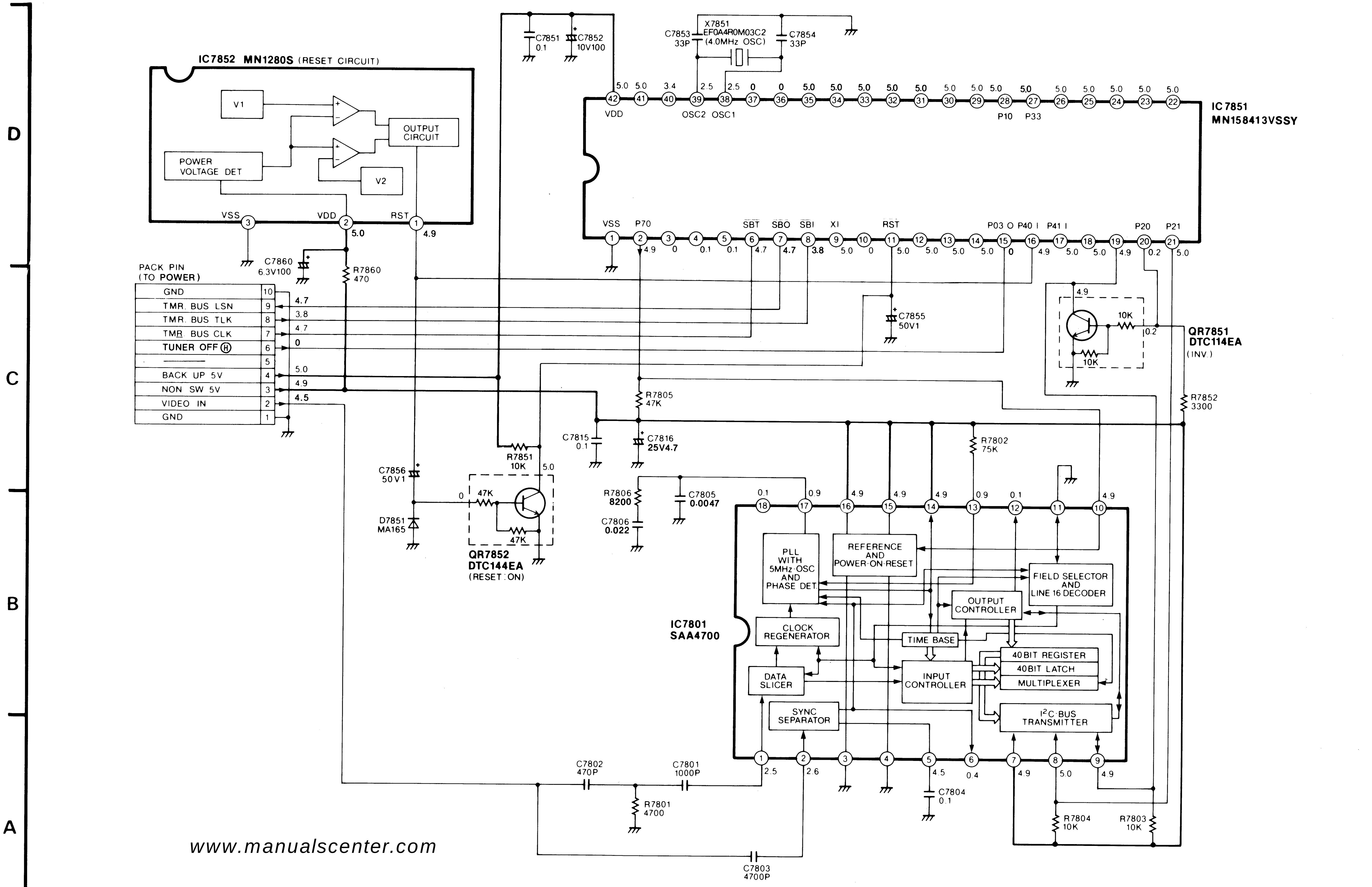
Adjustment	
T703	B-2
T704	B-2
T711	C-1
VR701	B-4
VR751	B-1
VR7660	B-4

TV DEMODULATOR PACK C.B.A.

ADDRESS INFORMATION

Next Page:
VPS PACK Section

3-37. VPS PACK SCHEMATIC DIAGRAM (NV-F75EG/EB)


IC7852 MN1280S (RESET CIRCUIT)
V1
V2
OUTPUT CIRCUIT
POWER VOLTAGE DET
VSS
VDD
RST
5.0
4.9
C7860 6.3V100
R7860 470
PACK PIN (TO POWER)
GND 10
TMR. BUS LSN 9
TMR. BUS TLK 8
TMR. BUS CLK 7
TUNER OFF Ⓗ 6
5
BACK UP 5V 4
NON SW 5V 3
VIDEO IN 2
GND 1
4.7
3.8
4.7
0
5.0
4.9
4.5
C7851 0.1
C7852 10V100
X7851 EF0A4R0M03C2 (4.0MHz OSC)
C7853 33P
C7854 33P
IC7851 MN158413VSSY
VDD
OSC2
OSC1
P10
P33
VSS
P70
SBT
SBO
SBI
XI
RST
P03 O
P40 I
P41 I
P20
P21
C7855 50V1
QR7851 DTC114EA (INV.)
10K
10K
0.2
R7852 3300
R7851 10K
C7856 50V1
D7851 MA165
47K
47K
QR7852 DTC144EA (RESET:ON)
C7815 0.1
C7816 25V4.7
R7805 47K
R7802 75K
R7806 8200
C7805 0.0047
C7806 0.022
IC7801 SAA4700
PLL WITH 5MHz OSC AND PHASE DET
REFERENCE AND POWER-ON-RESET
FIELD SELECTOR AND LINE 16 DECODER
OUTPUT CONTROLLER
CLOCK REGENERATOR
TIME BASE
40BIT REGISTER
40BIT LATCH
MULTIPLEXER
DATA SLICER
INPUT CONTROLLER
SYNC SEPARATOR
I²C-BUS TRANSMITTER
C7802 470P
C7801 1000P
R7801 4700
C7803 4700P
C7804 0.1
R7804 10K
R7803 10K
D
C
B
A
1
2
3
4
5
6

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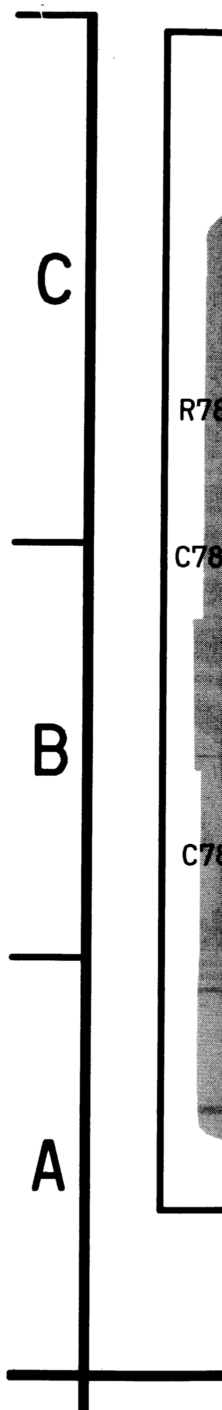
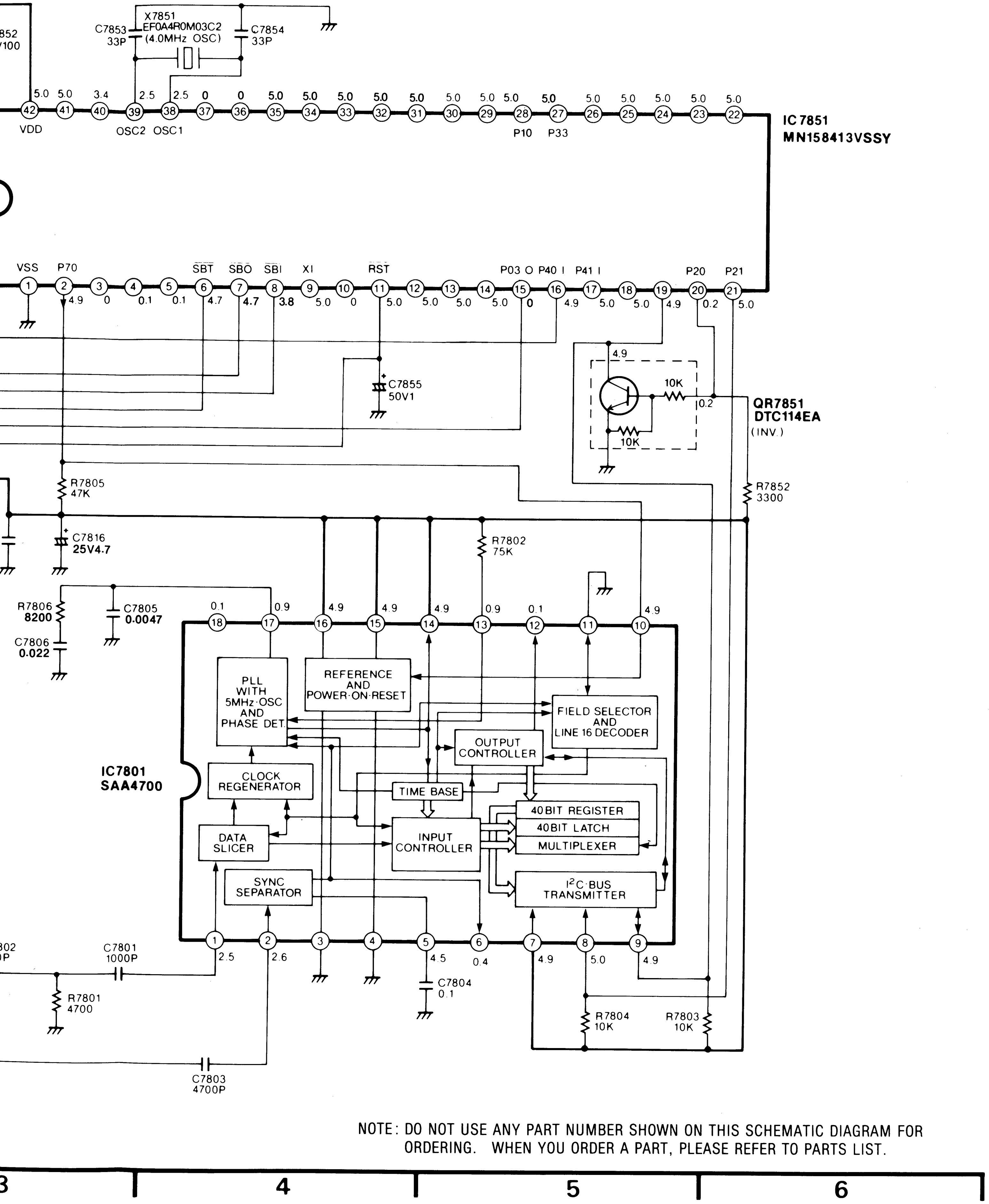
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-38. VPS



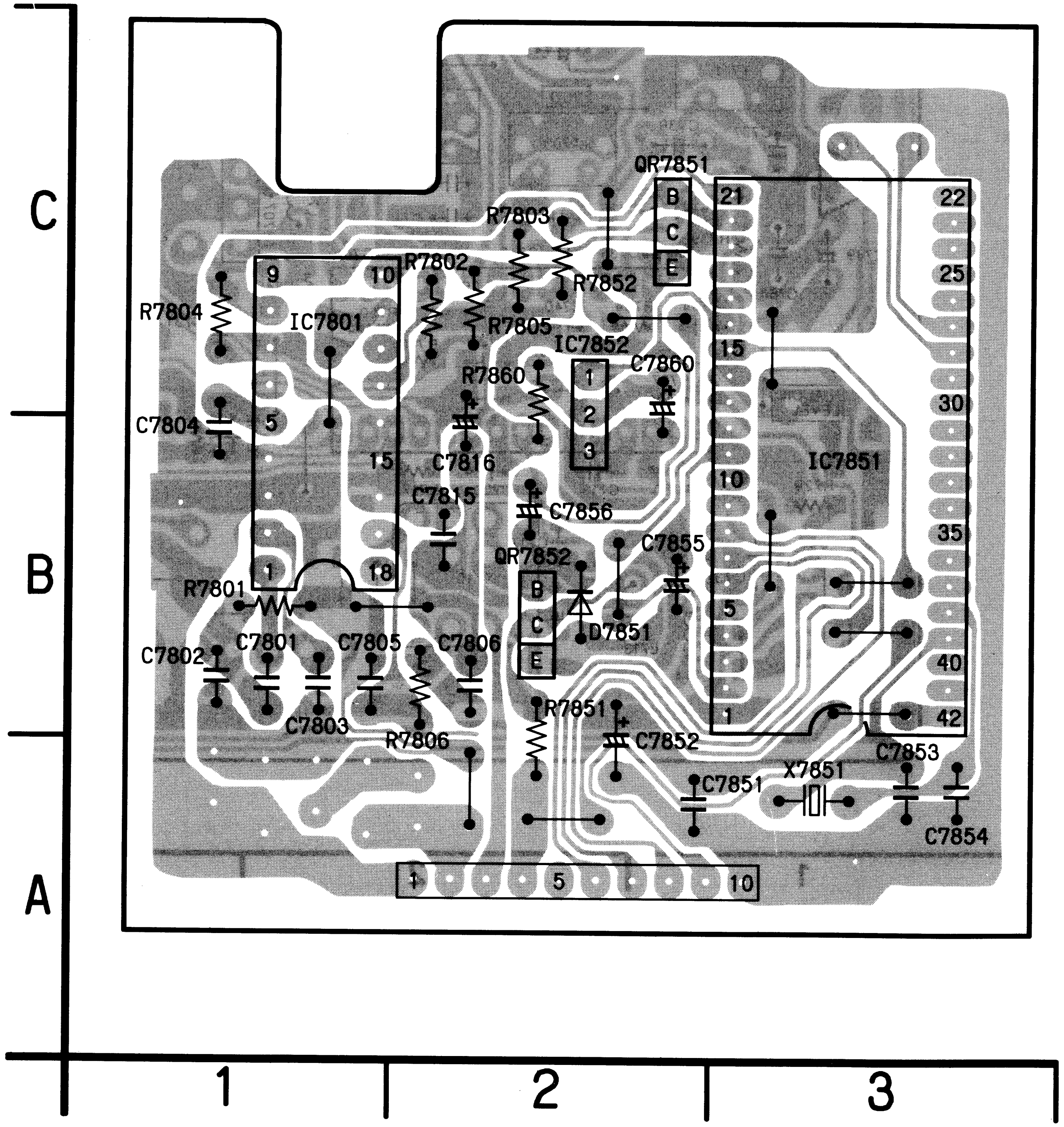

X7851
EF0A4R0M03C2
(4.0MHz OSC)
C7853
33P
C7854
33P
IC7851
MN158413VSSY
VDD
OSC2
OSC1
P10
P33
VSS
P70
SBT
SBO
SBI
XI
RST
P03 O
P40 I
P41 I
P20
P21
C7855
50V1
QR7851
DTC114EA
(INV.)
10K
10K
R7852
3300
R7805
47K
C7816
25V4.7
R7802
75K
R7806
8200
C7805
0.0047
C7806
0.022
IC7801
SAA4700
PLL WITH 5MHz-OSC AND PHASE DET
REFERENCE AND POWER-ON-RESET
FIELD SELECTOR AND LINE 16 DECODER
OUTPUT CONTROLLER
CLOCK REGENERATOR
TIME BASE
DATA SLICER
INPUT CONTROLLER
40BIT REGISTER
40BIT LATCH
MULTIPLEXER
SYNC SEPARATOR
I²C-BUS TRANSMITTER
C7801
1000P
R7801
4700
C7804
0.1
R7804
10K
R7803
10K
C7803
4700P
3
4
5
6

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

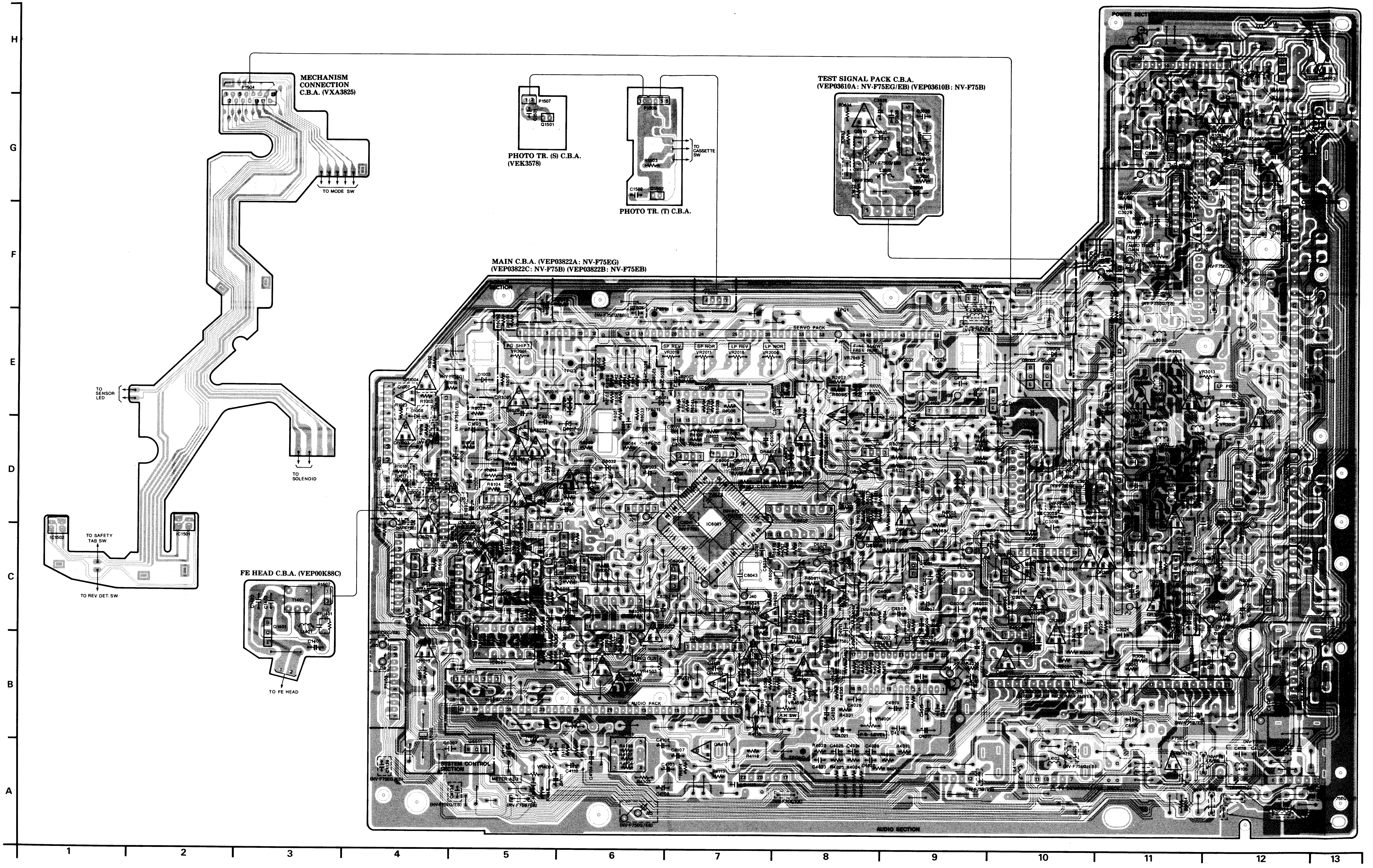
3-38. VPS PACK C.B.A. (VEP07538C: NV-F75EG/EB)

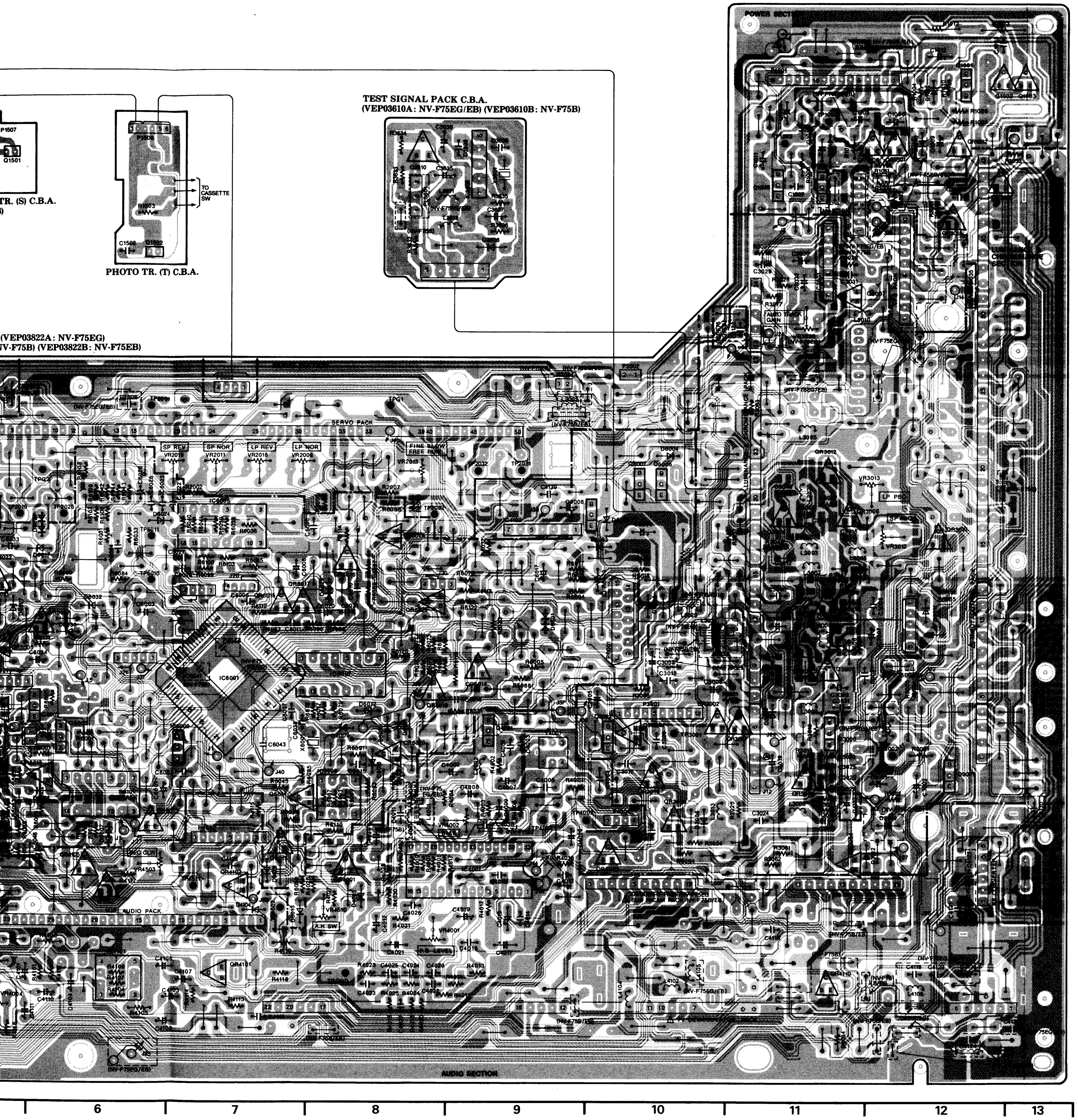
VPS PACK C.B.A.	
Transistor & Resistor	
QR7851	C-2
QR7852	B-2
Integrated Circuit	
IC7801	C-1
IC7851	B-3
IC7852	C-2

ADDRESS INFORMATION


C
B
A
1
2
3
QR7851
B
C
E
R7803
R7802
R7852
R7805
R7804
IC7801
IC7852
C7860
R7860
C7804
C7816
C7815
C7856
C7855
QR7852
R7801
D7851
C7802
C7801
C7805
C7806
C7803
R7806
R7851
C7852
C7851
X7851
C7853
C7854
IC7851
21
22
25
15
30
10
35
5
40
1
42
9
10
18

3-39. MAIN C.B.A. (VEP03822A: NV-F75EG) (VEP03822C: NV-F75B) (VEP03822B: NV-F75EB)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
MECHANISM CONNECTION C.B.A. (VXA3825)
P1504
TO MODE SW
TO SENSOR LED
TO SOLENOID
IC1502
IC1501
TO SAFETY TAB SW
TO REV DET. SW
PHOTO TR. (S) C.B.A. (VEK3578)
P1507
Q1501
PHOTO TR. (T) C.B.A.
C1503
Q1502
TO CASSETTE SW
TEST SIGNAL PACK C.B.A. (VEP03610A: NV-F75EG/EB) (VEP03610B: NV-F75B)
MAIN C.B.A. (VEP03822A: NV-F75EG) (VEP03822C: NV-F75B) (VEP03822B: NV-F75EB)
FE HEAD C.B.A. (VEP00K88C)
P1502
T1401
Q1401
TO FE HEAD
SERVO PACK
PG SHIFT
SP REV
SP NOR
LP REV
LP NOR
FINE SLOW FREE POS.
IC6001
AUDIO PACK
SYSTEM CONTROL SECTION
METER ADJ.
AUDIO SECTION
POWER SECTION
LP PB
SP PB


TEST SIGNAL PACK C.B.A.
(VEP03610A: NV-F75EG/EB) (VEP03610B: NV-F75B)
TR. (S) C.B.A.
PHOTO TR. (T) C.B.A.
TO CASSETTE SW
(VEP03822A: NV-F75EG)
NV-F75B) (VEP03822B: NV-F75EB)
POWER SECTION
SERVO PACK
AUDIO PACK
AUDIO SECTION
IC6001
SP REV
SP NOR
LP REV
LP NOR
FINE SLOW FREE PAUSE
LP PB
6
7
8
9
10
11
12
13

MAIN C.B.A. ADDRESS INFORMATION

SYSTEM CONTROL Section	
Transistor	
Q1401	C-3
Q1501	G-5
Q1502	G-6
Q6002	C-6
Q6003	C-6
Q6004	C-5
Q6006	E-10
Q6007	E-10
Q6008	E-9
Q6011	A-5
Q6012	C-4
Q6013	B-4
Q6014	C-7
Q6015	B-7
Q6020	C-4
Transistor & Resistor	
QR6003	C-6
QR6004	C-5
QR6005	D-5
QR6006	D-5
QR6007	C-5
QR6008	D-5
QR6009	C-5
QR6010	C-5
QR6011	D-5
QR6013	D-5
QR6014	C-9
QR6015	D-7
QR6016	D-8
QR6017	D-7
QR6018	C-6
QR6019	C-8
QR6020	C-8
QR6021	D-5
QR6022	D-5
QR6024	E-8
QR6025	D-8
QR6027	D-6
Integrated Circuit	
IC1501	C-2
IC1502	C-1
IC6001	C-7
IC6002	C-7
IC6003	C-6
IC6004	B-5
IC6005	E-7
IC6006	C-8
IC6007	D-8
Test Point	
TP6010	D-6
TP6011	E-6
Connector	
BP6010	D-4
BP6011	G-11
P1502	C-3
P1504	H-3
P1507	G-5
P1508	G-6
P4004	C-6
P6001	D-10
P6002	F-7
P7402	C-4
P7404	C-5

ADDRESS INFORMATION

POWER Section	
Transistor	
Q1001	H-12
Q1002	H-12
Q1003	H-13
Q1004	G-11
Q1005	G-11
Q1006	D-4
Q1007	E-4
Transistor & Resistor	
QR1001	G-12
QR1002	G-12
QR1003	D-4
QR1004	E-4
QR1006	G-12
Test Point	
TP1002	H-11
TP1003	G-11
Connector	
P1001	H-11
P6003	D-4
P7401	D-4

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE Section	
Transistor	
Q3001	C-12
Q3002	C-10
Q3003	D-11
Q3004	E-11
Q3005	D-11
Q3006	C-11
Q3007	F-12
Q3011	D-11
Q3013	E-11
Q3610	G-8
Transistor & Resistor	
QR3001	C-10
QR3002	C-10
QR3003	B-10
QR3004	B-11
QR3005	C-10
QR3006	E-11
QR3007	C-11
QR3008	C-11
QR3010	E-12
QR3012	E-11
QR3013	C-10
QR3016	G-12
Integrated Circuit	
IC3001	F-11
IC3602	G-9
Test Point	
TP3001	C-10
TP3002	C-12
Adjustment	
VR3012	D-12
VR3013	E-12
VR3020	F-11
Connector	
P3001	C-10

ADDRESS INFORMATION

SERVO Section	
Transistor & Resistor	
QR2001	E-5
Test Point	
TP2001	E-6
TP2002	E-8
TP2015	E-5
TP2026	E-6
TP2031	E-9
TP2032	E-9
TPG1	E-8
TPG3	E-6
Adjustment	
VR2001	E-5
VR2006	E-7
VR2011	E-7
VR2013	E-8
VR2018	E-7
VR2019	E-7
Connector	
P2001	F-9
P2002	F-10

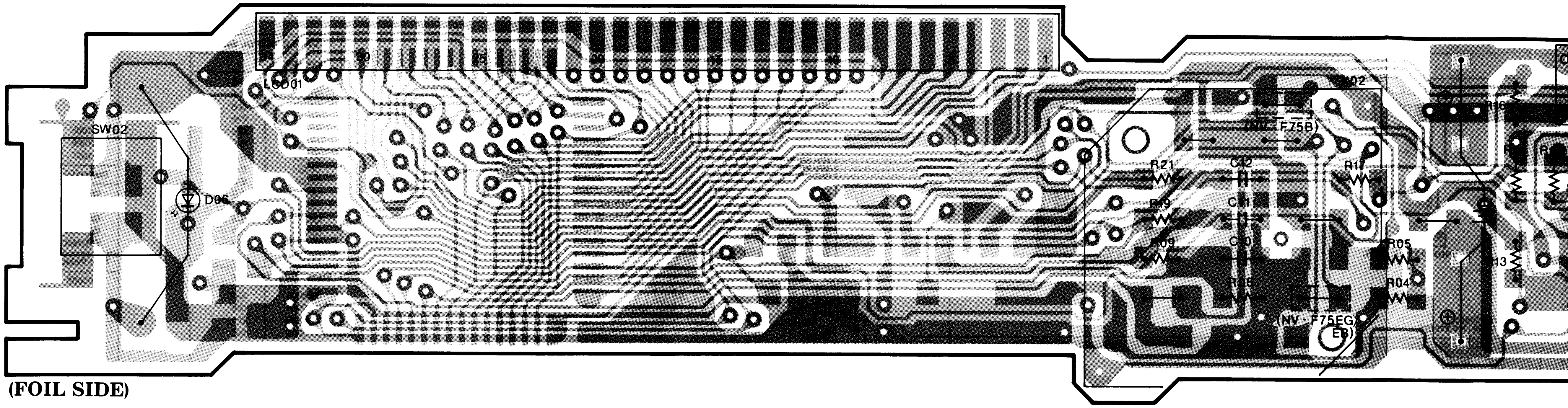
ADDRESS INFORMATION

AUDIO Section	
Transistor	
Q4001	C-9
Q4103	B-6
Transistor & Resistor	
QR4001	B-8
QR4101	A-7
QR4102	B-7
QR4103	C-4
QR4104	C-4
QR4105	B-6
QR4110	A-11
Integrated Circuit	
IC4001	B-9
IC4101	B-6
IC4102	E-9
Test Point	
TP4002	C-9
TP4003	B-9
TP4502	B-7
TP4511	B-7
TPGND	A-8
Adjustment	
VR4001	B-8
VR4002	B-9
VR4004	A-5
VR4503	B-6
VR4510	B-8
Connector	
P4001	C-10
P4002	B-7
P4003	B-5
P7403	B-4

ADDRESS INFORMATION

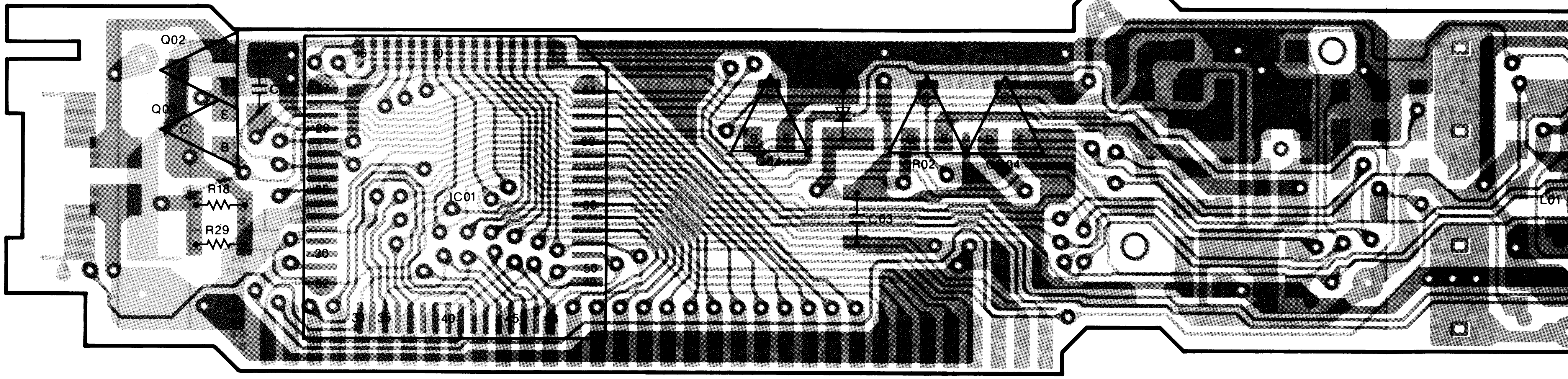
Next Page:
DIGITAL SCANNER Section

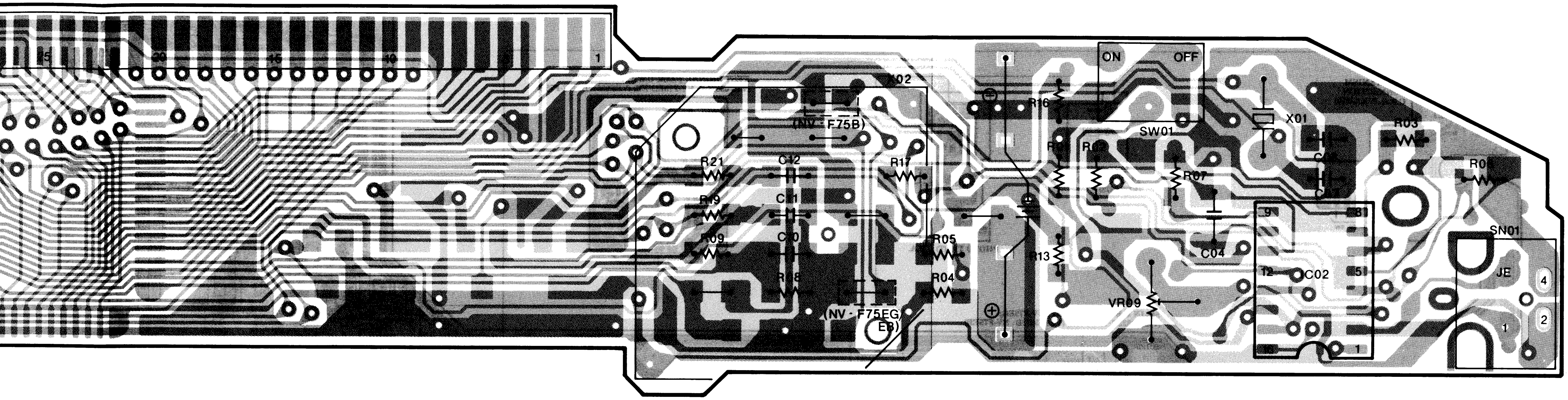
3-40. DIGITAL SCANNER C.B.A. (VEP66077C: NV-F75EG/EB) (VEP66077B: NV-F75B)

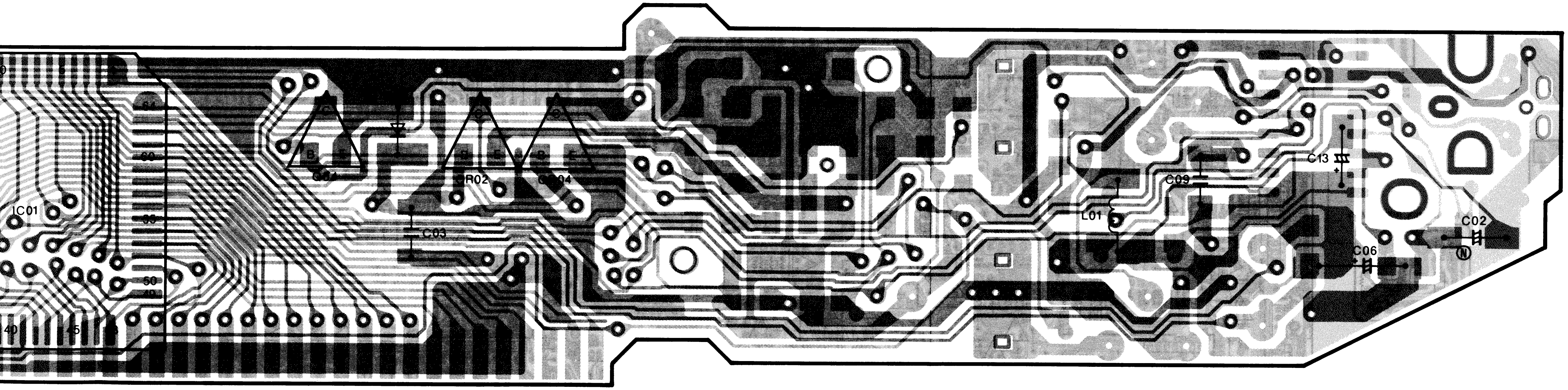

LCD01
1
10
15
20
25
30
34
SW02
D06
R21
C12
R17
R19
C11
R09
C10
R05
R18
R04
(NV-F75B)
(NV-F75EG/EB)
R16
R13
C

(FOIL SIDE)

(COMPONENT SIDE)

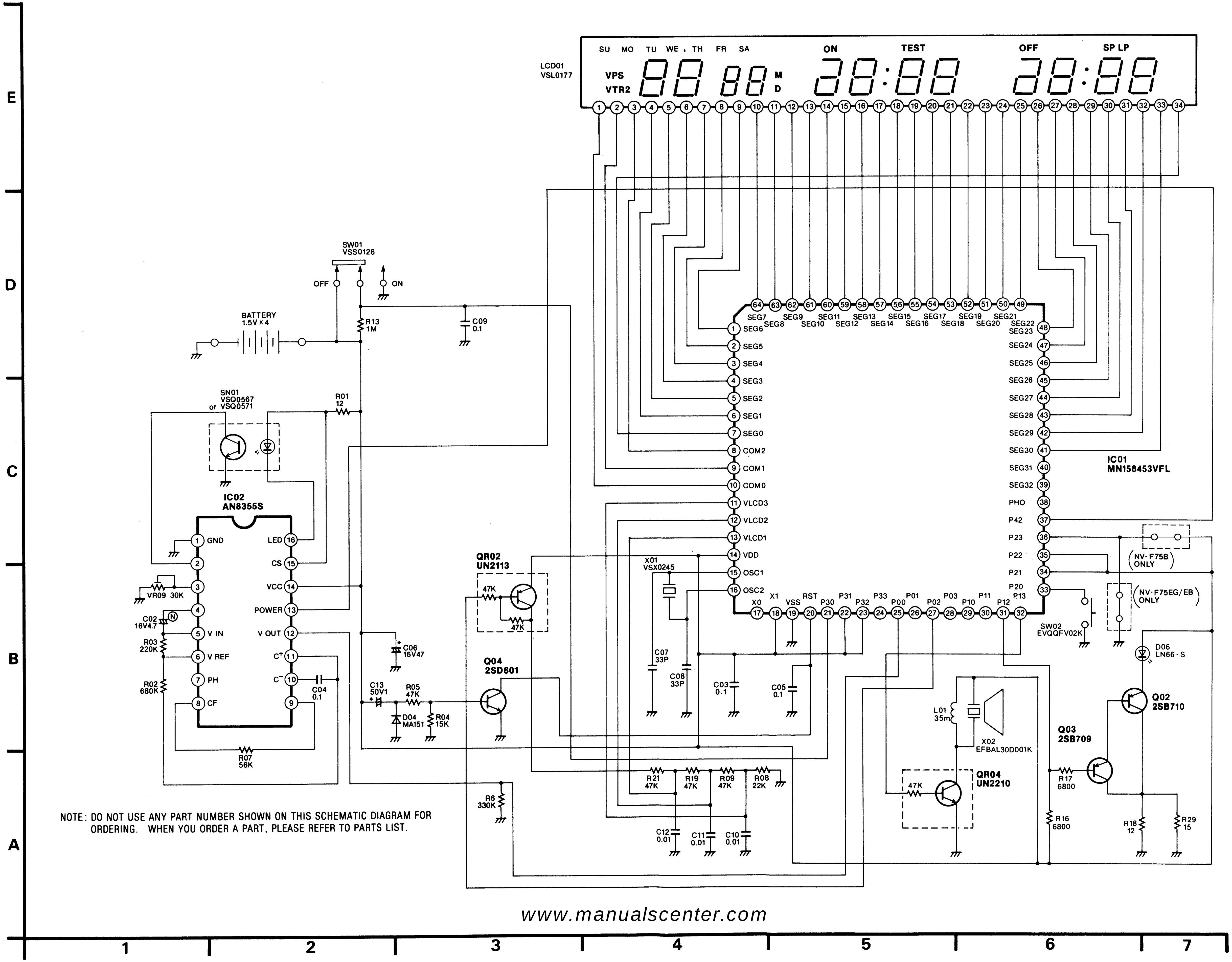

Q02
Q01
C
E
B
R18
R29
IC01
1
10
16
17
20
25
30
32
33
35
40
45
48
49
50
60
64
C03
Q01
QR02
QR04
L01
B
A
1
2
3
4
5


20
15
10
1
X02
(NV · F75B)
R21
C12
R17
R19
C11
R09
C10
R08
R05
R04
(NV · F75EG/EB)
R16
ON
OFF
SW01
X01
R03
R01
R02
R07
R06
C04
R13
VR09
IC02
9
8
12
5
1
SN01
JE
4
2
1


IC01
64
60
55
50
40
45
B
E
Q01
QR02
Q04
C03
L01
C09
C13
C06
C02

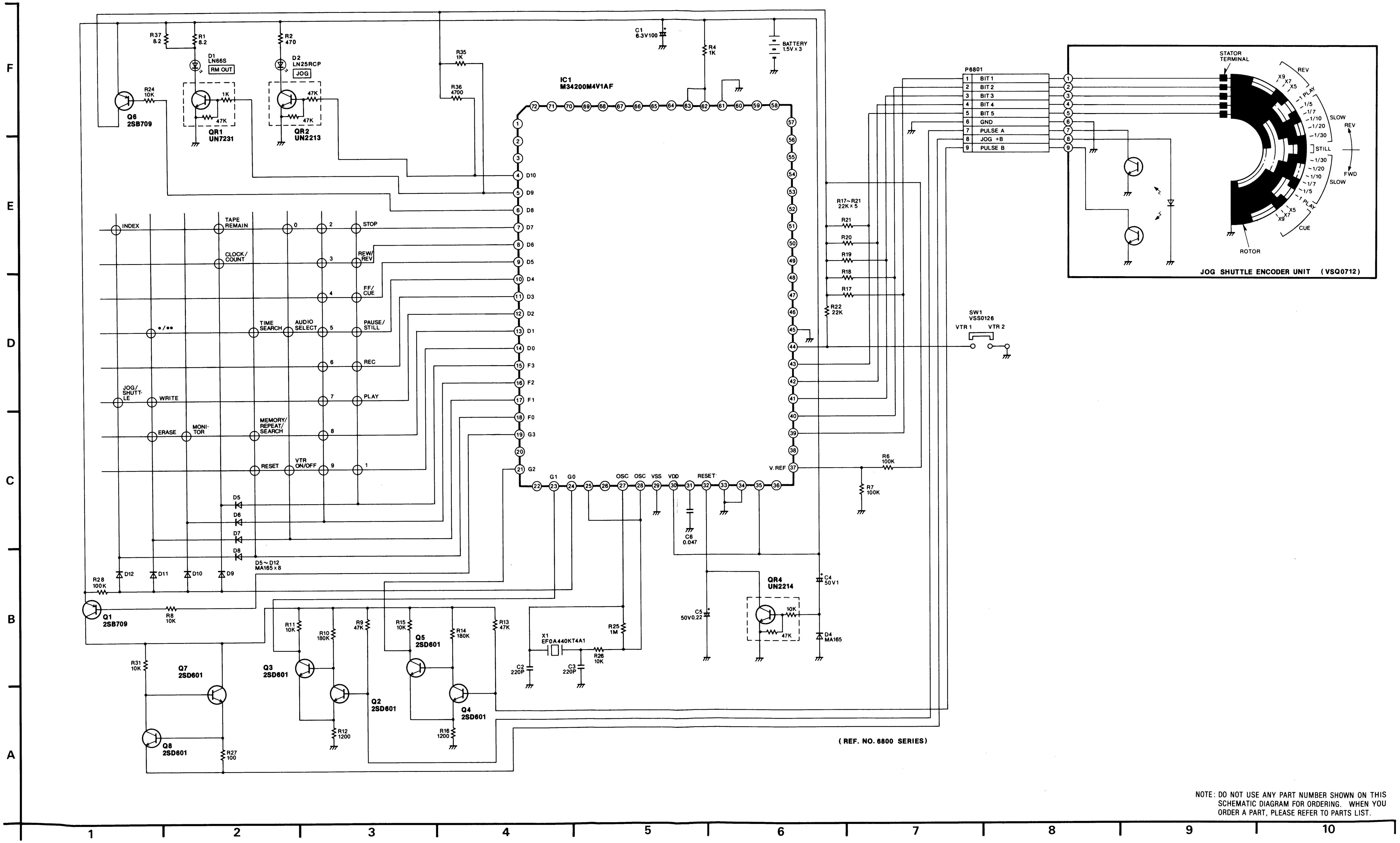
3 4 5 6 7

3-41. DIGITAL SCANNER SCHEMATIC DIAGRAM —— UNIT NO. : VEQ0996 (NV-F75EG/EB), VEQ0995 (NV-F75B) ——


E
D
C
B
A
1
2
3
4
5
6
7
LCD01
VSL0177
SU MO TU WE . TH FR SA
ON
TEST
OFF
SP LP
VPS
VTR2
M
D
SW01
VSS0126
OFF
ON
BATTERY
1.5V × 4
R13
1M
C09
0.1
SN01
VSQ0567
or VSQ0571
R01
12
IC02
AN8355S
GND
LED
CS
VCC
POWER
V IN
V OUT
V REF
C+
PH
C−
CF
VR09 30K
C02
16V4.7
R03
220K
R02
680K
C04
0.1
R07
56K
C06
16V47
C13
50V1
R05
47K
D04
MA151
R04
15K
QR02
UN2113
47K
47K
Q04
2SD601
R6
330K
IC01
MN158453VFL
SEG6
SEG5
SEG4
SEG3
SEG2
SEG1
SEG0
COM2
COM1
COM0
VLCD3
VLCD2
VLCD1
VDD
OSC1
OSC2
SEG7
SEG8
SEG9
SEG10
SEG11
SEG12
SEG13
SEG14
SEG15
SEG16
SEG17
SEG18
SEG19
SEG20
SEG21
SEG22
SEG23
SEG24
SEG25
SEG26
SEG27
SEG28
SEG29
SEG30
SEG31
SEG32
PHO
P42
P23
P22
P21
P20
P13
P12
P11
P10
P03
P02
P01
P00
P33
P32
P31
P30
RST
VSS
X1
X0
X01
VSX0245
C07
33P
C08
33P
C03
0.1
C05
0.1
R21
47K
R19
47K
R09
47K
R08
22K
C12
0.01
C11
0.01
C10
0.01
(NV-F75B ONLY)
(NV-F75EG/EB ONLY)
SW02
EVQQFV02K
D06
LN66-S
Q02
2SB710
L01
35m
X02
EFBAL30D001K
QR04
UN2210
47K
Q03
2SB709
R17
6800
R16
6800
R18
12
R29
15

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

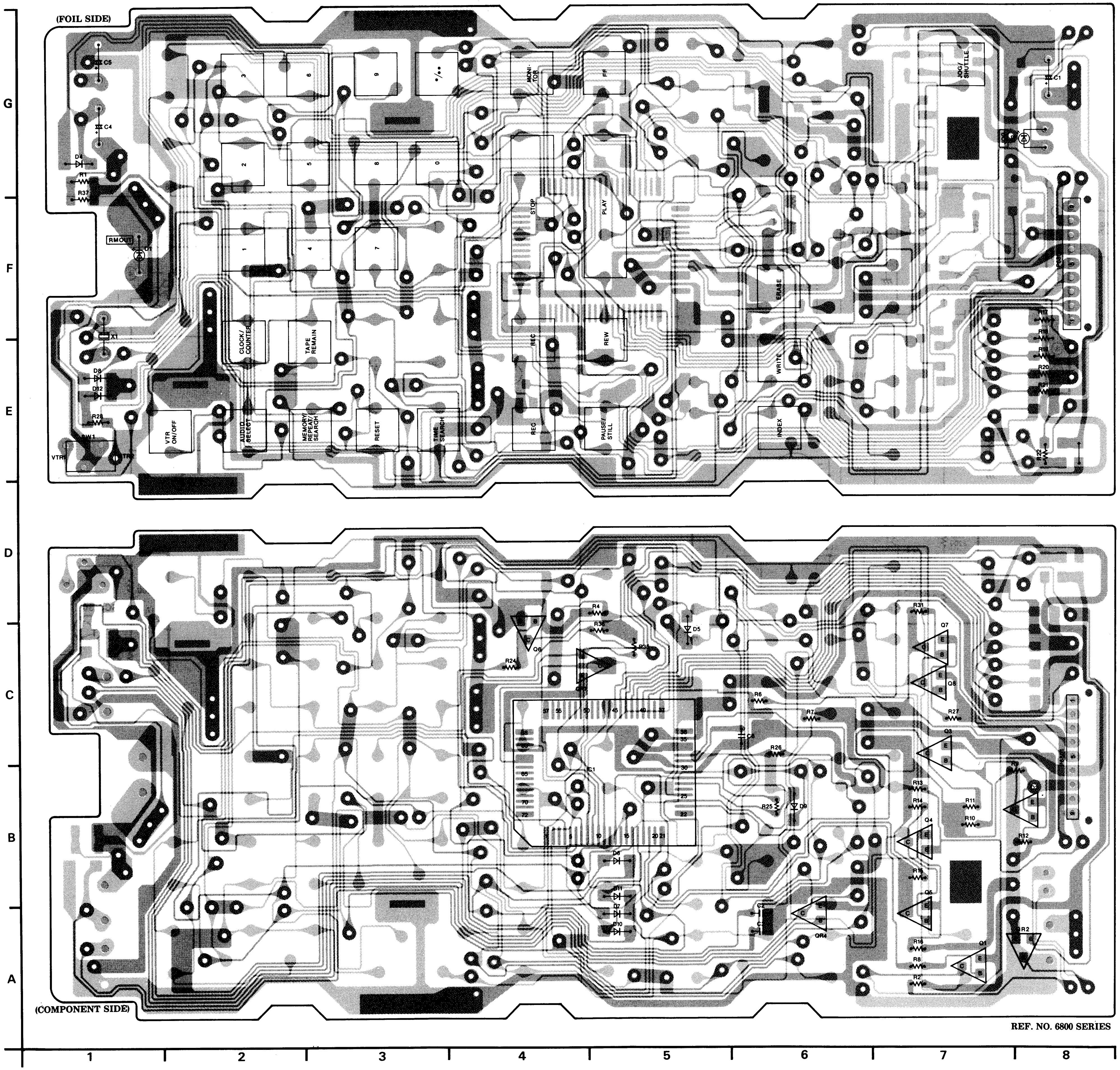
3-42. REMOTE CONTROLLER SCHEMATIC DIAGRAM
—— UNIT NO. : VEQ1209 ——



F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
R37 8.2
R1 8.2
D1 LN66S
RM OUT
R2 470
D2 LN25RCP
JOG
R24 10K
Q6 2SB709
1K
47K
QR1 UN7231
47K
47K
QR2 UN2213
R35 1K
R36 4700
C1 6.3V100
R4 1K
BATTERY 1.5V x 3
IC1 M34200M4V1AF
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
F3
F2
F1
F0
G3
G2
G1
G0
OSC
OSC
VSS
VDD
RESET
V.REF
INDEX
TAPE REMAIN
0
2
STOP
CLOCK/ COUNT
3
REW/ REV
4
FF/ CUE
*/**
TIME SEARCH
AUDIO SELECT
5
PAUSE/ STILL
6
REC
JOG/ SHUTT- LE
WRITE
7
PLAY
ERASE
MONI- TOR
MEMORY/ REPEAT/ SEARCH
8
RESET
VTR ON/OFF
9
1
D5
D6
D7
D8
D5~D12 MA165 x 8
D12
D11
D10
D9
R28 100K
Q1 2SB709
R8 10K
R31 10K
Q7 2SD601
Q8 2SD601
R27 100
R11 10K
R10 180K
R9 47K
Q3 2SD601
Q2 2SD601
R12 1200
R15 10K
R14 180K
R13 47K
Q5 2SD601
Q4 2SD601
R16 1200
X1 EF0A440KT4A1
C2 220P
C3 220P
R26 10K
R25 1M
C6 0.047
C5 50V0.22
QR4 UN2214
10K
47K
C4 50V1
D4 MA165
R17~R21 22K x 5
R21
R20
R19
R18
R17
R22 22K
R6 100K
R7 100K
SW1 VSS0126
VTR 1
VTR 2
P6801
1 BIT 1
2 BIT 2
3 BIT 3
4 BIT 4
5 BIT 5
6 GND
7 PULSE A
8 JOG +B
9 PULSE B
STATOR TERMINAL
REV
X9
X7
X5
1 PLAY
1/5
1/7
1/10
1/20
1/30
SLOW
REV
STILL
1/30
1/20
1/10
1/7
1/5
FWD
SLOW
1 PLAY
X5
X7
X9
CUE
ROTOR
JOG SHUTTLE ENCODER UNIT (VSQ0712)
(REF. NO. 6800 SERIES)

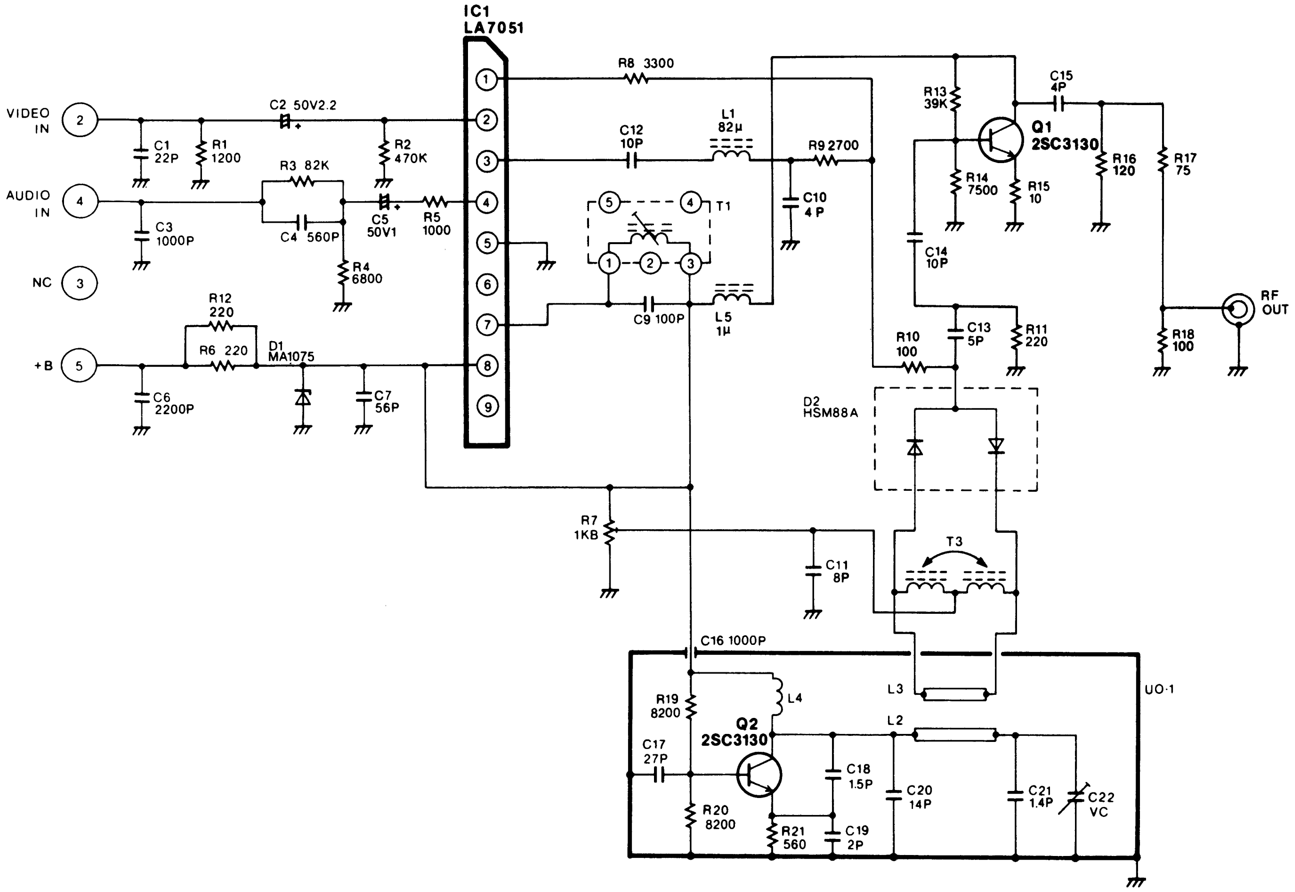
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-43. REMOTE CONTROLLER C.B.A. (VEP66151B)

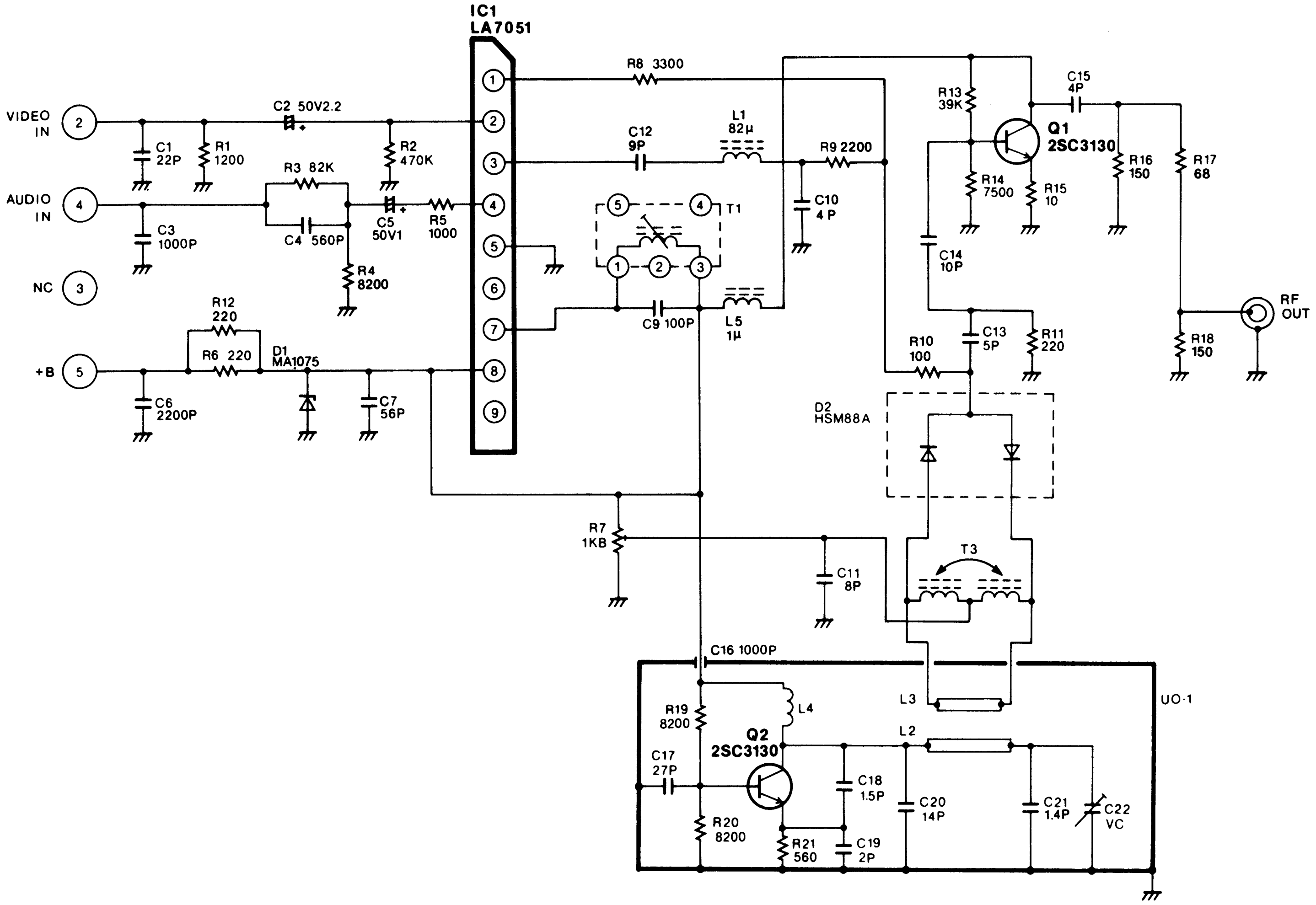

(FOIL SIDE)
(COMPONENT SIDE)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
3
6
9
•/••
MONI-TOR
FF
JOG/SHUTTLE
2
5
8
0
STOP
PLAY
1
4
7
ERASE
CLOCK/COUNTER
TAPE REMAIN
REC
REW
WRITE
VTR ON/OFF
AUDIO SELECT
MEMORY/REPEAT/SEARCH
RESET
TIME SEARCH
REC
PAUSE/STILL
INDEX
RMOUT
C5
C4
C1
D4
R1
R37
Q1
X1
D8
D12
R23
VTR1
VTR2
R17
R18
R19
R20
R21
R22
R31
Q7
Q8
Q6
R4
R30
R24
D5
R6
R7
R27
Q3
C8
R26
IC1
R25
D9
R13
R14
R11
R10
Q4
R12
Q2
D6
D11
D7
D10
C2
QR4
R15
Q5
R16
R8
R2
Q1
R32
E
B
C

REF. NO. 6800 SERIES

3-44. RF CONVERTER SCHEMATIC DIAGRAM (ENC17974: NV-F75EG/EB)

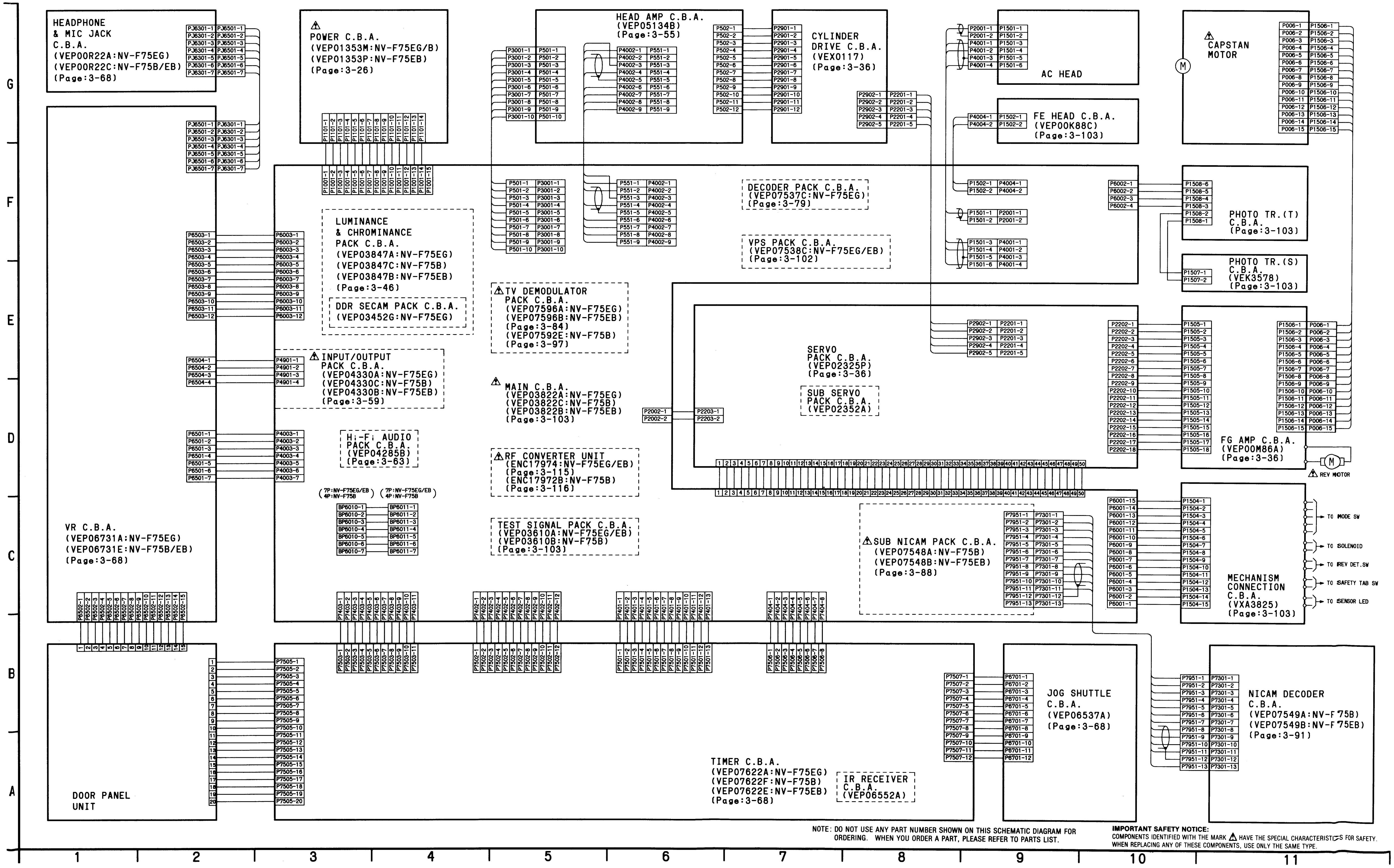

IC1
LA7051
VIDEO IN 2
AUDIO IN 4
NC 3
+B 5
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 6800
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 10P
L1 82µ
R9 2700
C10 4 P
T1
C9 100P
L5 1µ
R13 39K
Q1 2SC3130
C15 4P
R14 7500
R15 10
R16 120
R17 75
C14 10P
R10 100
C13 5P
R11 220
R18 100
RF OUT
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
R19 8200
L4
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
C20 14P
L3
L2
C21 1.4P
C22 VC
UO-1

3-45. RF CONVERTER SCHEMATIC DIAGRAM (ENC17972B: NV-F75B)


IC1
LA7051
VIDEO IN 2
AUDIO IN 4
NC 3
+B 5
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 8200
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 9P
L1 82µ
R9 2200
C10 4 P
T1
C9 100P
L5 1µ
R13 39K
Q1 2SC3130
C15 4P
R14 7500
R15 10
R16 150
R17 68
C14 10P
R10 100
C13 5P
R11 220
R18 150
RF OUT
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
R19 8200
L4
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
C20 14P
L3
L2
C21 1.4P
C22 VC
UO-1

Back Page:
REMOTE CONTROLLER Section

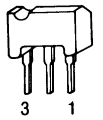
3-46. INTERCONNECTION SCHEMATIC DIAGRAM


HEADPHONE & MIC JACK C.B.A. (VEP00R22A:NV-F75EG) (VEP00R22C:NV-F75B/EB) (Page:3-68)
POWER C.B.A. (VEP01353M:NV-F75EG/B) (VEP01353P:NV-F75EB) (Page:3-26)
HEAD AMP C.B.A. (VEP05134B) (Page:3-55)
CYLINDER DRIVE C.B.A. (VEX0117) (Page:3-36)
AC HEAD
CAPSTAN MOTOR
FE HEAD C.B.A. (VEP00K88C) (Page:3-103)
DECODER PACK C.B.A. (VEP07537C:NV-F75EG) (Page:3-79)
VPS PACK C.B.A. (VEP07538C:NV-F75EG/EB) (Page:3-102)
PHOTO TR.(T) C.B.A. (Page:3-103)
PHOTO TR.(S) C.B.A. (VEK3578) (Page:3-103)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03847A:NV-F75EG) (VEP03847C:NV-F75B) (VEP03847B:NV-F75EB) (Page:3-46)
DDR SECAM PACK C.B.A. (VEP03452G:NV-F75EG)
TV DEMODULATOR PACK C.B.A. (VEP07596A:NV-F75EG) (VEP07596B:NV-F75EB) (Page:3-84) (VEP07592E:NV-F75B) (Page:3-97)
INPUT/OUTPUT PACK C.B.A. (VEP04330A:NV-F75EG) (VEP04330C:NV-F75B) (VEP04330B:NV-F75EB) (Page:3-59)
MAIN C.B.A. (VEP03822A:NV-F75EG) (VEP03822C:NV-F75B) (VEP03822B:NV-F75EB) (Page:3-103)
SERVO PACK C.B.A. (VEP02325P) (Page:3-36)
SUB SERVO PACK C.B.A. (VEP02352A)
FG AMP C.B.A. (VEP00M86A) (Page:3-36)
REV MOTOR
Hi-Fi AUDIO PACK C.B.A. (VEP04285B) (Page:3-63)
RF CONVERTER UNIT (ENC17974:NV-F75EG/EB) (Page:3-115) (ENC17972B:NV-F75B) (Page:3-116)
(7P:NV-F75EG/EB 4P:NV-F75B) (7P:NV-F75EG/EB 4P:NV-F75B)
TEST SIGNAL PACK C.B.A. (VEP03610A:NV-F75EG/EB) (VEP03610B:NV-F75B) (Page:3-103)
SUB NICAM PACK C.B.A. (VEP07548A:NV-F75B) (VEP07548B:NV-F75EB) (Page:3-88)
MECHANISM CONNECTION C.B.A. (VXA3825) (Page:3-103)
TO MODE SW
TO SOLENOID
TO REV DET.SW
TO SAFETY TAB SW
TO SENSOR LED
VR C.B.A. (VEP06731A:NV-F75EG) (VEP06731E:NV-F75B/EB) (Page:3-68)
DOOR PANEL UNIT
TIMER C.B.A. (VEP07622A:NV-F75EG) (VEP07622F:NV-F75B) (VEP07622E:NV-F75EB) (Page:3-68)
IR RECEIVER C.B.A. (VEP06552A)
JOG SHUTTLE C.B.A. (VEP06537A) (Page:3-68)
NICAM DECODER C.B.A. (VEP07549A:NV-F75B) (VEP07549B:NV-F75EB) (Page:3-91)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

3-47. ICs & TRs INFORMATION



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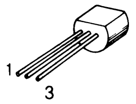

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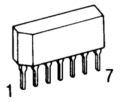

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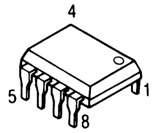

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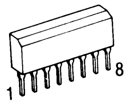

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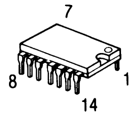

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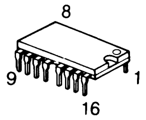

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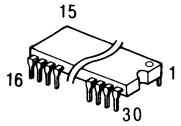

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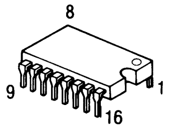

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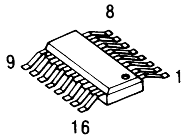

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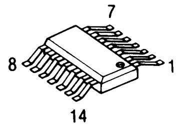

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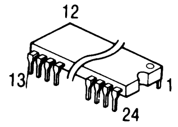

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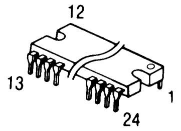

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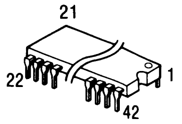

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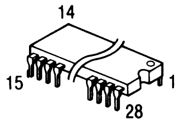

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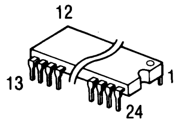

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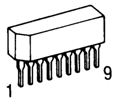

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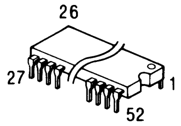

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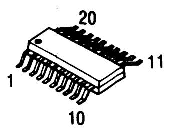

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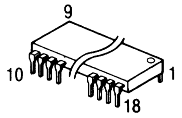

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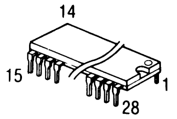

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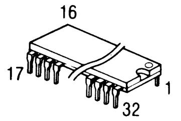

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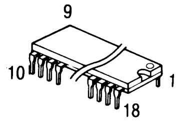

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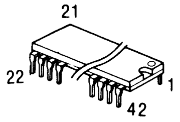

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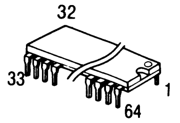

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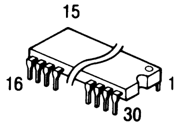

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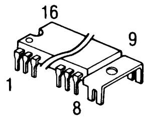

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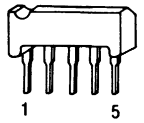

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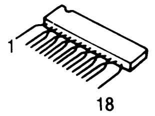

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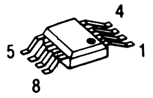

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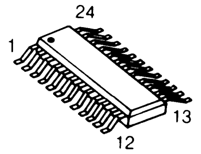

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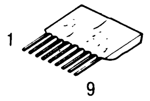

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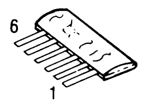

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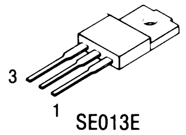

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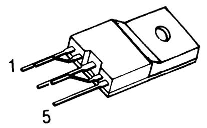

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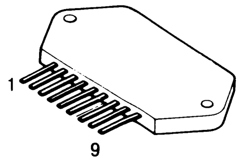

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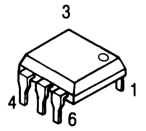

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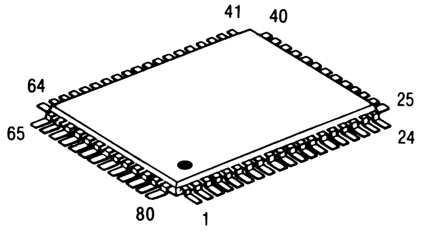
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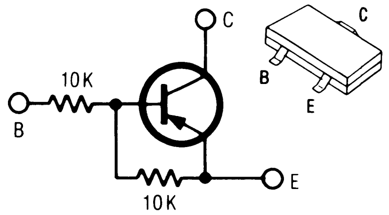
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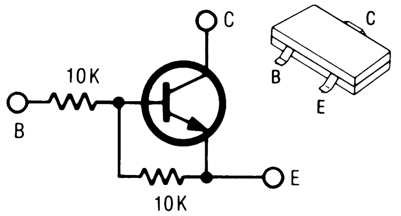
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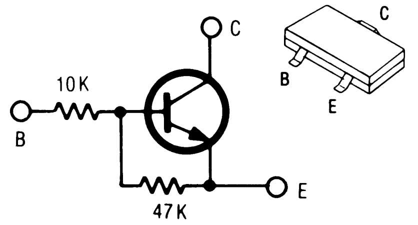
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E

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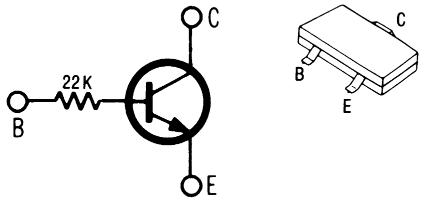

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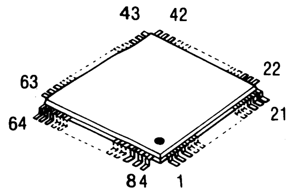
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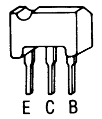

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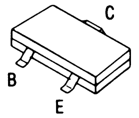

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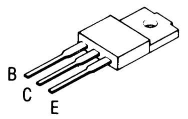

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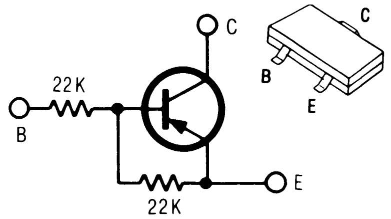
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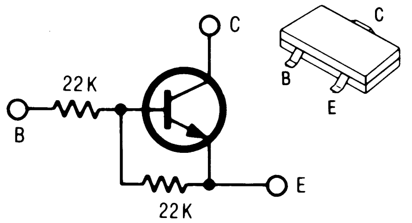
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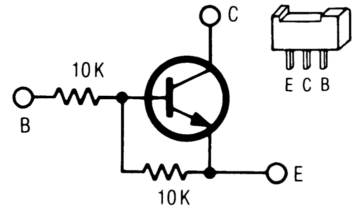
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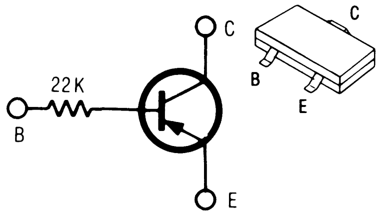

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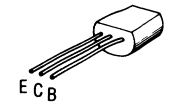

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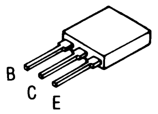

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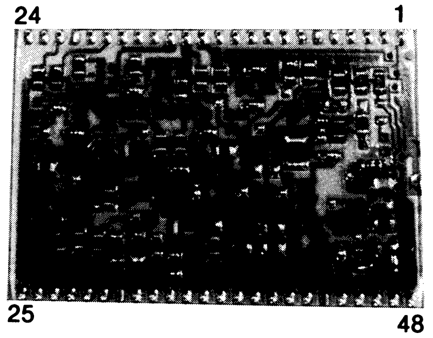

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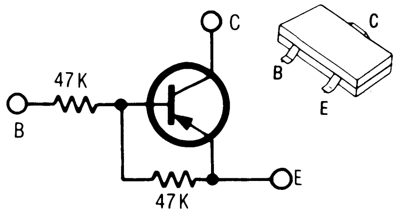
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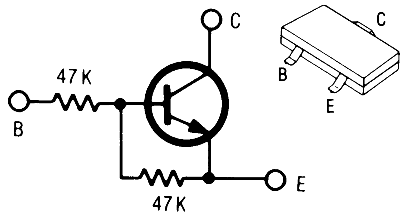
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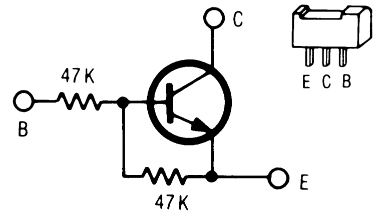
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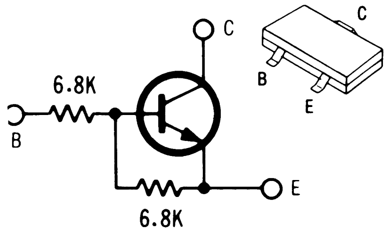
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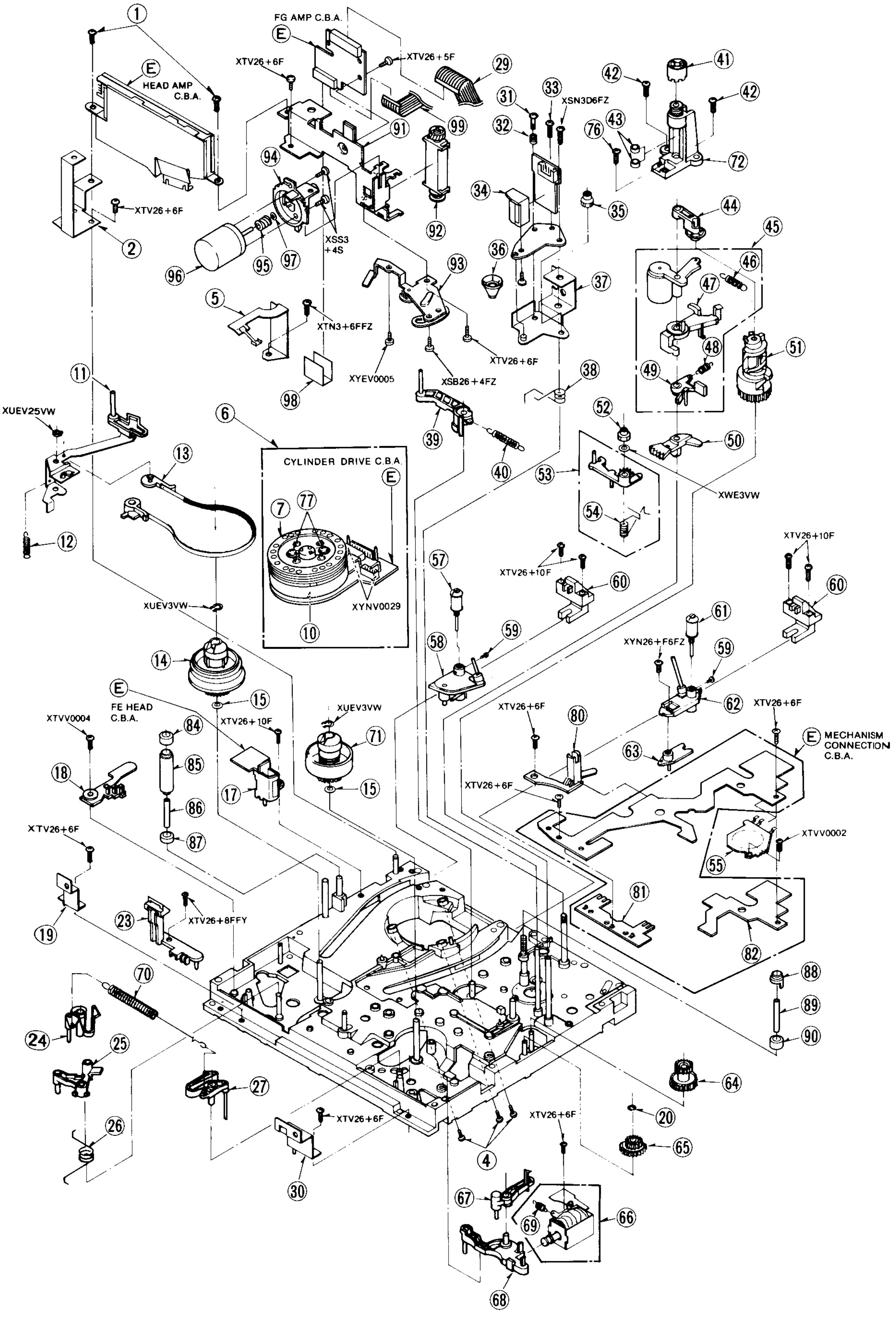
6.8K
E
C
B
E

DTC363EK

Back Page:
INTERCONNECTION Section

SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW ❶ CHASSIS PARTS SECTION (1)



①
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XTV26+5F
㉙
Ⓔ
HEAD AMP
C.B.A.
㉛
㉜
㉝
XSN3D6FZ
(42)
(41)
(42)
(43)
(76)
(72)
(91)
(99)
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㉞
㉟
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(47)
XSS3
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㊲
⑤
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(51)
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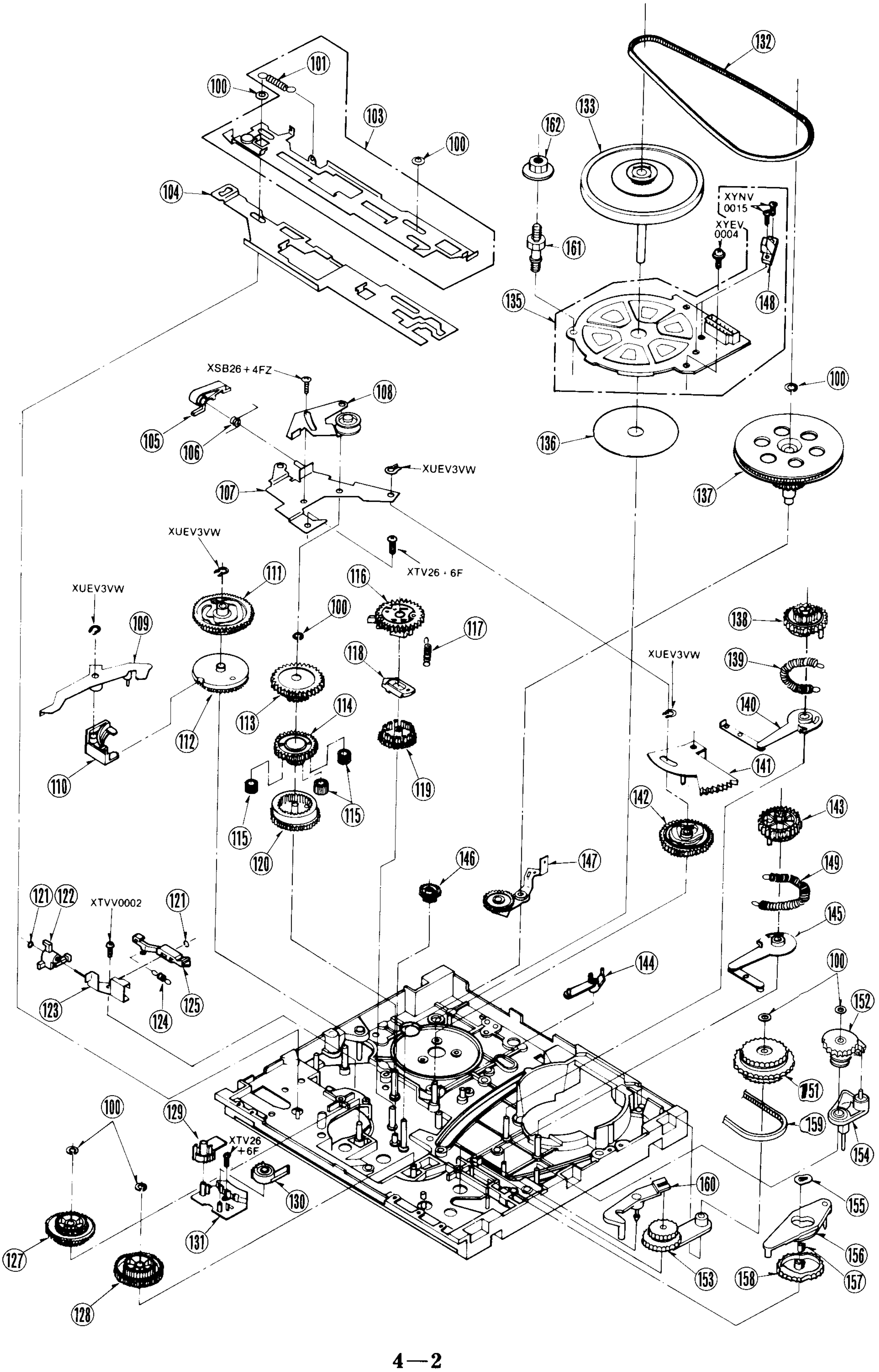
㊴
㊵
(52)
(50)
⑬
CYLINDER DRIVE C.B.A.
Ⓔ
(53)
XWE3VW
⑦
(77)
(54)
⑫
XTV26+10F
XTV26+10F
(57)
(60)
(60)
XUEV3VW
XYNV0029
⑩
(61)
(59)
XYN26+F6FZ
(59)
(58)
⑭
⑮
(62)
XTV26+6F
Ⓔ
FE HEAD
C.B.A.
XUEV3VW
XTV26+6F
(80)
Ⓔ
MECHANISM
CONNECTION
C.B.A.
XTVV0004
(84)
XTV26+10F
(71)
(63)
(85)
⑱
⑰
⑮
XTV26+6F
(86)
XTVV0002
XTV26+6F
(87)
(55)
(81)
⑲
㉓
XTV26+8FFY
(82)
(70)
(88)
(89)
㉔
㉕
(90)
㉗
(64)
(20)
XTV26+6F
XTV26+6F
㉖
④
(65)
㉚
(67)
(66)
(69)
(68)

❷ CHASSIS PARTS SECTION (2)



100
101
103
100
104
132
133
162
XYNV 0015
XYEV 0004
161
135
148
100
136
137
XSB26+4FZ
108
105
106
XUEV3VW
107
XUEV3VW
111
XTV26·6F
116
XUEV3VW
109
100
117
118
113
112
114
110
115
115
115
119
120
138
XUEV3VW
139
140
141
142
143
146
147
149
121
122
XTVV0002
121
145
144
123
124
125
100
152
151
159
154
100
129
XTV26 +6F
130
131
127
128
155
160
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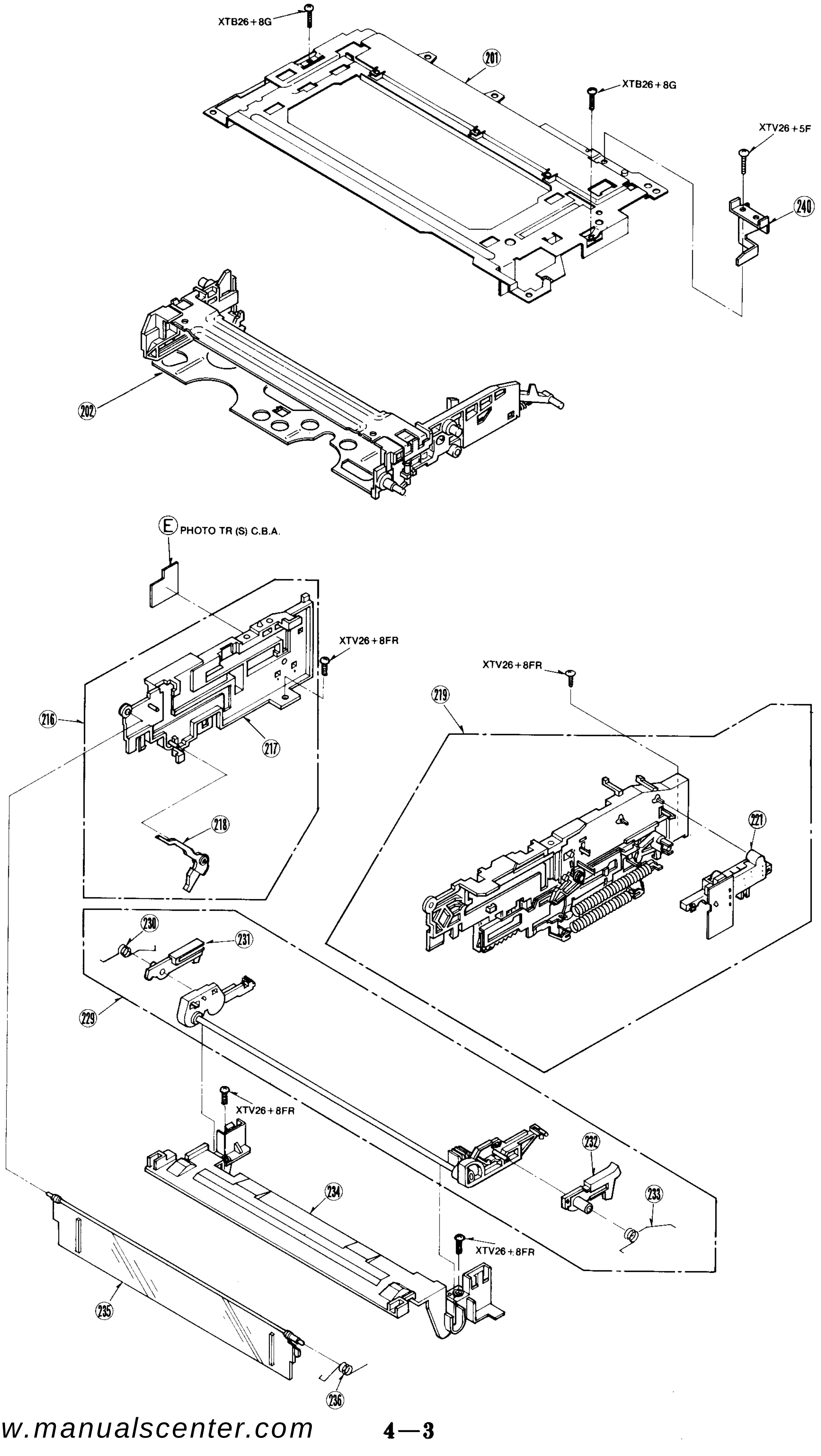
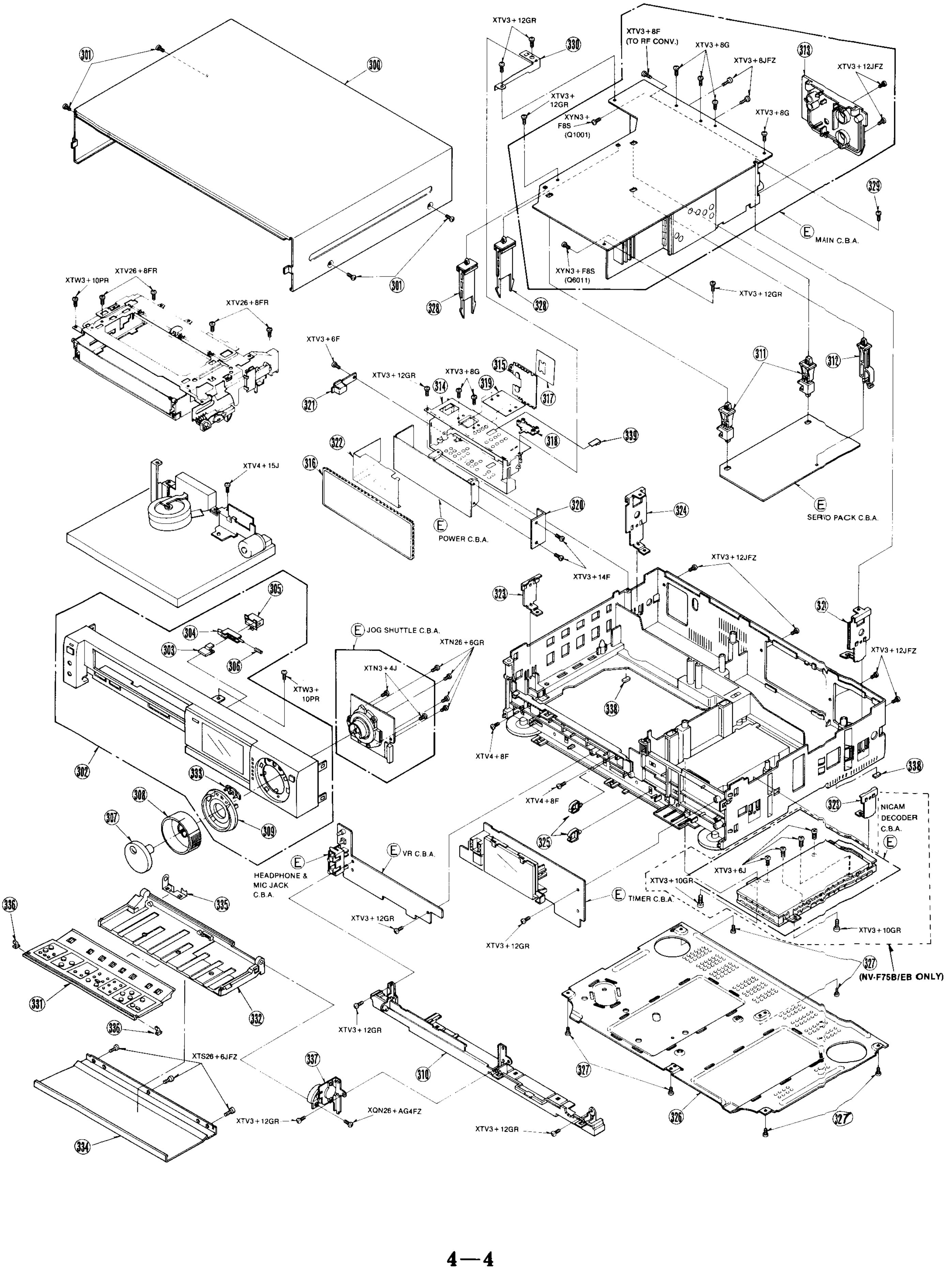
153
158
157

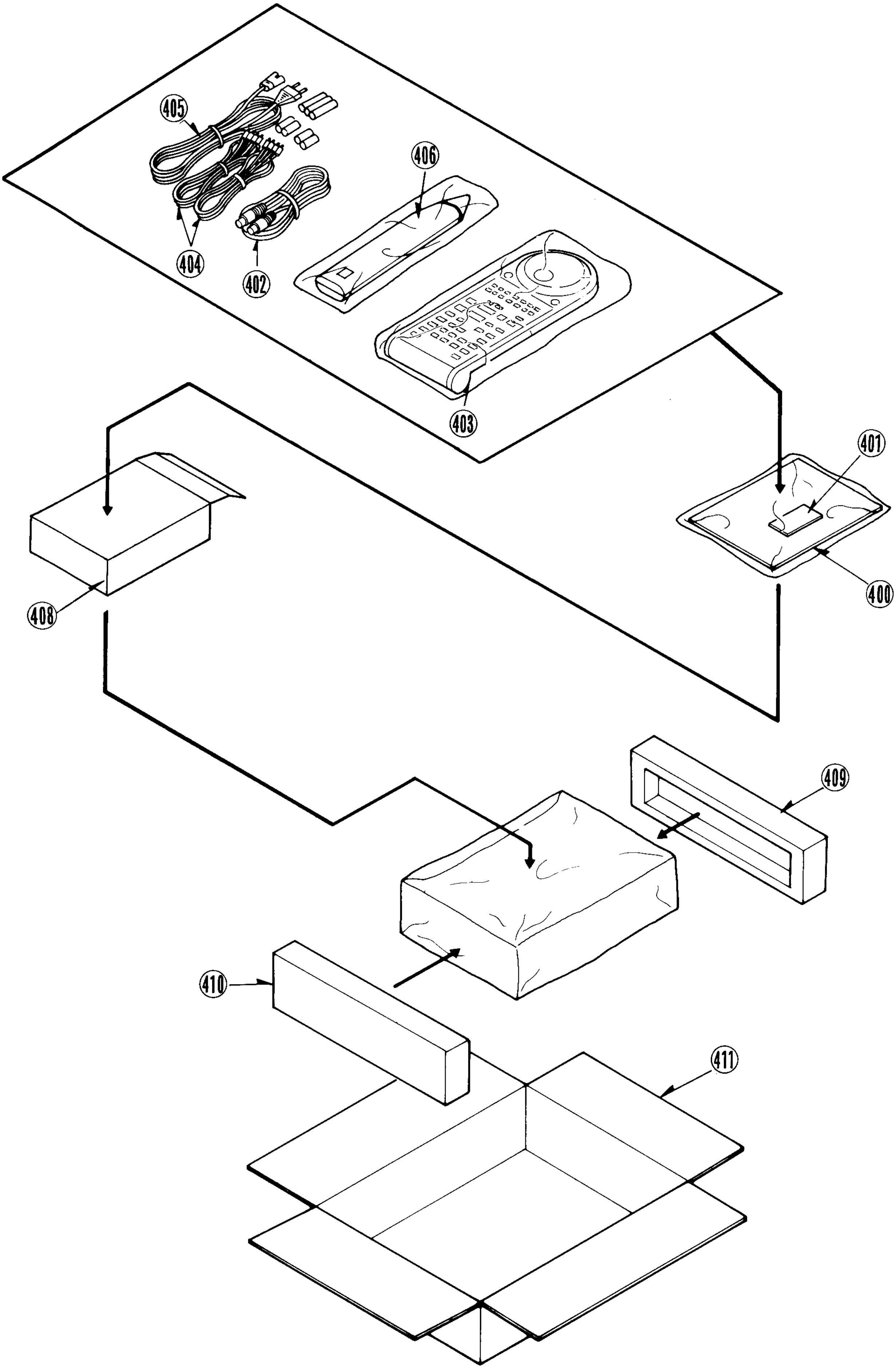
❸ CASSETTE UP MECHANISM SECTION


XTB26+8G
201
XTB26+8G
XTV26+5F
240
202
E PHOTO TR (S) C.B.A.
XTV26+8FR
XTV26+8FR
219
216
217
218
221
230
231
229
XTV26+8FR
232
234
233
XTV26+8FR
235
236

❹ CASING PARTS SECTION


300
301
301
301
XTV26+8FR
XTW3+10PR
XTV26+8FR
XTV3+12GR
330
XTV3+12GR
XTV3+8F
(TO RF CONV.)
XTV3+8G
XTV3+8JFZ
313
XTV3+12JFZ
XTV3+
12GR
XYN3+
F8S
(Q1001)
XTV3+8G
329
Ⓔ MAIN C.B.A.
XYN3+F8S
(Q6011)
328
328
XTV3+12GR
XTV3+6F
XTV3+12GR
314
XTV3+8G
315
319
317
321
318
339
311
312
Ⓔ
SERVO PACK C.B.A.
322
316
XTV4+15J
Ⓔ
POWER C.B.A.
320
324
XTV3+14F
XTV3+12JFZ
323
321
XTV3+12JFZ
305
304
303
306
Ⓔ JOG SHUTTLE C.B.A.
XTN26+6GR
XTN3+4J
XTW3+
10PR
338
XTV4+8F
338
302
333
308
307
309
XTV4+8F
325
323
NICAM
DECODER
C.B.A.
Ⓔ
Ⓔ VR C.B.A.
Ⓔ
HEADPHONE &
MIC JACK
C.B.A.
XTV3+6J
XTV3+10GR
Ⓔ TIMER C.B.A.
XTV3+10GR
XTV3+12GR
XTV3+12GR
335
336
327
(NV-F75B/EB ONLY)
331
332
336
XTV3+12GR
327
XTS26+6JFZ
337
310
326
327
XTV3+12GR
XQN26+AG4FZ
XTV3+12GR
334

❺ PACKING PARTS SECTION


405
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401
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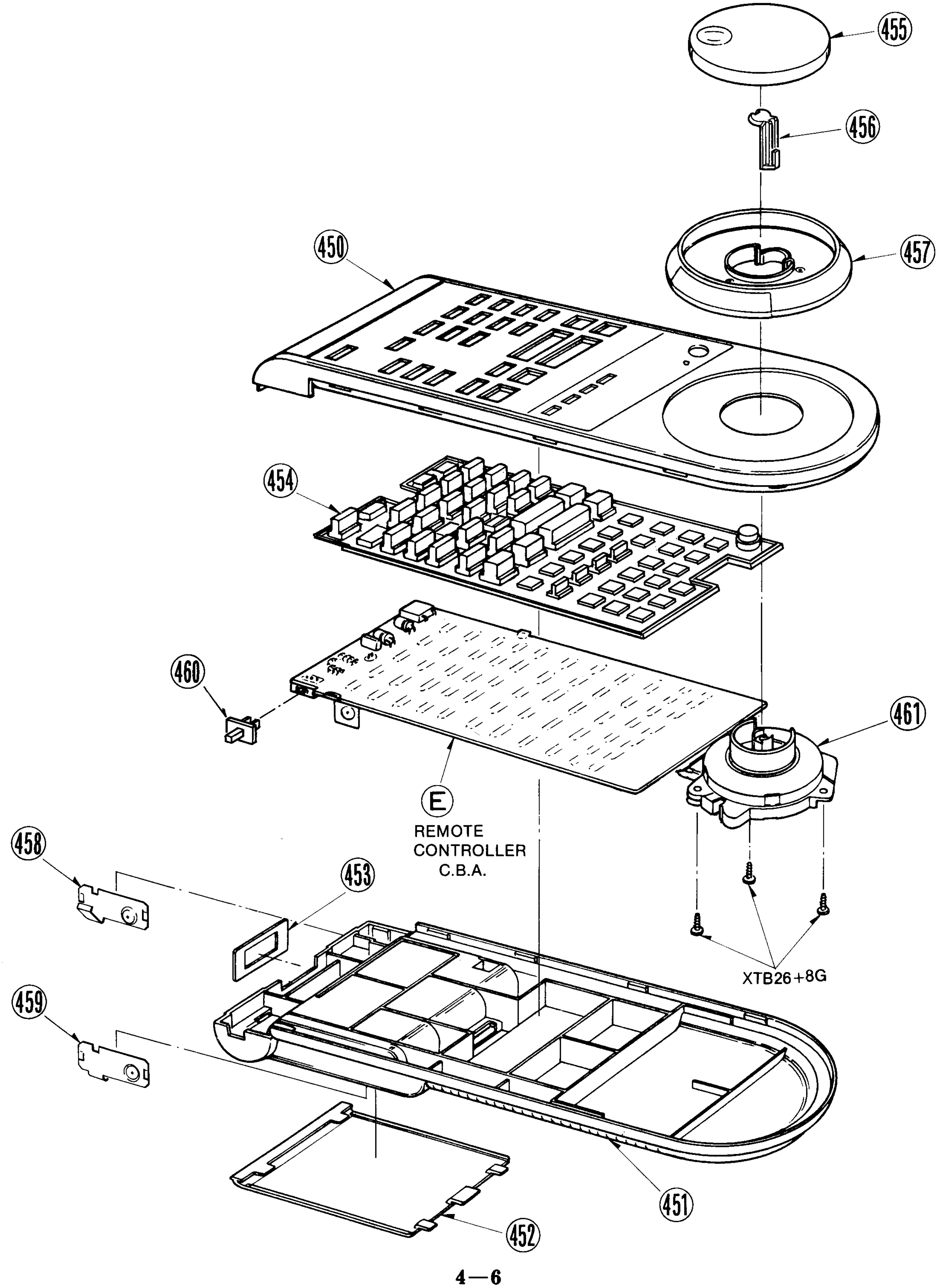
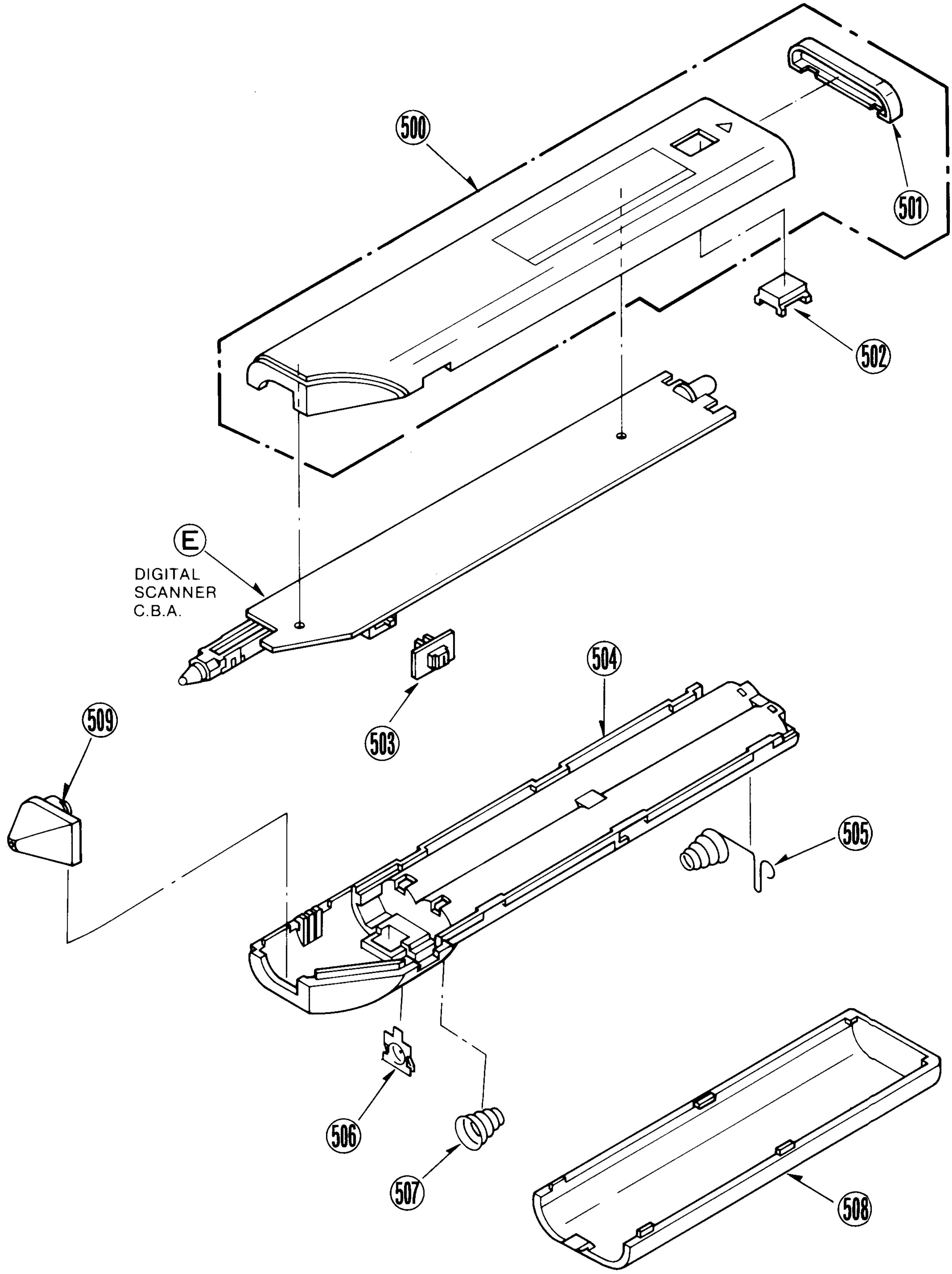
411

❻ REMOTE CONTROLLER UNIT


455
456
457
450
454
460
461
E
REMOTE
CONTROLLER
C.B.A.
458
453
XTB26+8G
459
451
452

❼ DIGITAL SCANNER UNIT


500
501
502
E
DIGITAL SCANNER C.B.A.
503
504
505
506
507
508
509

4-2. MECHANICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1(1)		VHD0418	HEAD AMP SET SCREW	2	
2(1)		VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
4(1)		VHD0342	CYLINDER SCREW	3	
5(1)		VXA2702	EARTH PLATE UNIT	1	
6(1)		VEG0851	CYLINDER UNIT	1	<!>
7(1)		VEH0500	UPPER CYLINDER UNIT	1	
10(1)		VSC2188	CYLINDER C.B.A.SHIELD PLATE	1	
11(1)		VXL1855	TENSION ARM (1) UNIT	1	
12(1)		VMB1563	TENSION SPRING	1	
13(1)		VXZ0267	TENSION BAND UNIT	1	
14(1)		VXR0179	SUPPLY REEL TABLE UNIT	1	
15(1)		VMX1171	REEL WASHER (0.5mm)	2	
15(1)		VMX1239	REEL WASHER (0.3mm)	2	
15(1)		VMX1238	REEL WASHER (0.2mm)	2	
17(1)		VBS0038	FE HEAD	1	
18(1)		VMD1316	TENSION SPRING HOOK	1	
19(1)		VMA6895	MOUNT ANGLE (L)	1	
20(1)		VMX1079	CUT WASHER	1	
23(1)		VES0486	SAFETY SW	1	
24(1)		VXZ0259	SUPPLY MAIN BRAKE UNIT	1	
25(1)		VXZ0274	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)		VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)		VXZ0262	TAKE UP MAIN BRAKE UNIT	1	
29(1)		VWJ0358	FLEXIBLE CARD (18P)	1	
30(1)		VMA6896	MOUNT ANGLE (R)	1	
31(1)		VHD0322	ADJUST SCREW	1	
32(1)		VMB1251	ADJUST SPRING	1	
33(1)		VHD0089B	AZIMUTH ADJUST SCREW	1	
34(1)		VBR0132	A/C HEAD	1	
35(1)		VHN0063	M4 NYLON NUT	1	
36(1)		VHN0110	ADJUST NUT	1	
37(1)		VMA7831	HEAD BASE	1	
38(1)		VMB1567	A/C HEAD SPRING	1	
39(1)		VXL1857	SUB LOADING ARM (1) UNIT	1	
40(1)		VMB1566	SUB POST SPRING	1	
41(1)		VXQ0006	THRUST SCREW UNIT	1	
42(1)		VHD0317	HOUSING SCREW	2	
43(1)		VMX1033	OIL SEAL	2	
44(1)		VMX1353	PINCH CAM CAP	1	
45(1)		VXL1858	PRESSURE ROLLER UNIT	1	
46(1)		VMB1941	PIN PRESSURE SPRING	1	
47(1)		VML2232	PINCH PRESSURE ARM	1	
48(1)		VMB1569	PINCH PRESSURE ARM RELEASE	1	
			SPRING		
49(1)		VML1874	PINCH LIFT ARM	1	
50(1)		VDG0597	P5 PULL OUT SECTOR GEAR	1	
51(1)		VDG0421	PINCH CAM	1	
52(1)		VHD0045	M3 NYLON NUT	1	
53(1)		VXL2027	P5 UNIT	1	
54(1)		VMB2718	P5 SPRING	1	
55(1)		VSS0175	MODE SW	1	
57(1)		VXP0863	ROLLER POST UNIT	1	
58(1)		VXA4106	INCLIND BASE (S)(1)UNIT	1	
59(1)		VHD0133	ROLLER POST SCREW	2	
60(1)		VMD0910	POST STOPPER	2	
61(1)		VXP1094	ROLLER POST UNIT	1	
62(1)		VXA3876	INCLIND BASE(T)(1)UNIT	1	
63(1)		VXA2687	INCLIND ADJUST PLATE UNIT	1	
64(1)		VDG0483	PINCH SPEED DOWN GEAR	1	
65(1)		VDG0664	CONNECTION GEAR	1	
66(1)		VXA3735	SOLENOID UNIT	1	
67(1)		VXA2692	KICK ROD UNIT	1	
68(1)		VML1849	SOLENOID LEVER	1	
69(1)		VMB1553	KICK ROD SPRING	1	
70(1)		VMB2012	MAIN BRAKE SPRING	1	
71(1)		VXR0176	TAKE UP REEL TABLE UNIT	1	
72(1)		VXD0101	HOUSING UNIT	1	
76(1)		VHD0374	HOUSING SCREW	1	
77(1)		VHD0553	UPPER CYLINDER SCREW	2	
80(1)		VXA3520	LED HOLDER UNIT	1	
81(1)		VMA7829	REINFORCEMENT PLATE(L)	1	
82(1)		VMA7830	REINFORCEMENT PLATE(R)	1	
84(1)		VMX1088	SUPPLY UPPER LIMITER	1	
85(1)		VDP1072	SUPPLY ROLLER	1	
86(1)		VMX1581	P1 COLLAR	1	
87(1)		VMX1533	SUPPLY LOWER LIMITER	1	
88(1)		VMX1544	P4 UPPER LIMITER	1	
89(1)		VMX1568	P4 SLEEVE	1	
90(1)		VMX1534	P4 LOWER LIMITER	1	
91(1)		VMA7832	MOTOR MOUNT PLATE	1	
92(1)		VXA3517	WORM WHEEL BEARING UNIT	1	
93(1)		VXA3701	TENSION PULLEY BASE (A)	1	
			UNIT		
94(1)		VXA3564	REEL MOTOR BRACKET UNIT	1	
95(1)		VXP1208	WORM GEAR UNIT	1	
96(1)		VEM0320	REV MOTOR	1	
97(1)		VMX1734	WORM WASHER	1	
98(1)		VWJ15TW060M	FLEXIBLE CARD	1	
99(1)		VWJ0357	FLEXIBLE CARD (15P)	1	
100(2)		VMX1079	CUT WASHER	8	
101(2)		VMB1883	SUB LEVER SPRING	1	
103(2)		VXA3510	SUB LEVER UNIT	1	
104(2)		VMM0204	MAIN LEVER	1	
105(2)		VXL1873	SS BRAKE ARM UNIT	1	
106(2)		VMB1588	SS BRAKE SPRING	1	
107(2)		VXA3512	SS BRAKE BASE (1) UNIT	1	
108(2)		VXA3516	TENSION ROLLER UNIT	1	
109(2)		VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)		VML1861	DETENT ARM	1	
111(2)		VDG0574	MAIN CAM GEAR	1	
112(2)		VDG0343	SUB CAM GEAR	1	
113(2)		VDG0348	CENTRE GEAR	1	
114(2)		VDG0422	RETAINER GEAR	1	
115(2)		VDG0345	PLANET GEAR	3	
116(2)		VDG0547	CLUTCH DISK	1	
117(2)		VMB1558	CLUTCH SPRING	1	
118(2)		VDG0350	LOCK SLIDE GEAR	1	
119(2)		VDG0335	DRIVE DISK	1	
120(2)		VDG0342	RING GEAR	1	
121(2)		VMX0967	CUT WASHER	2	
122(2)		VML1859	CHANGE LEVER	1	
123(2)		VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)		VMB1557	RELEASE SPRING	1	
125(2)		VML1860	RELEASE LEVER	1	
127(2)		VXP1031	TAKE UP REEL GEAR UNIT	1	
128(2)		VXP0981	SUPPLY REEL GEAR UNIT	1	
129(2)		VML1858	RETURN LEVER (R)	1	
130(2)		VML1857	RETURN LEVER (L)	1	
131(2)		VMD0913	STOPPER BASE	1	
132(2)		VDV0169	TIMING BELT	1	
133(2)		VXP1113	ROTOR UNIT	1	
135(2)		VEK4097	STATOR UNIT	1	<!>
136(2)		VMA6847	SUB PLATE	1	
137(2)		VXP1050	CENTRE PULLEY UNIT	1	
138(2)		VDG0564	LOADING GEAR (T)	1	
139(2)		VMB1555	LOADING SPRING (T)	1	
140(2)		VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)		VXA3515	SECTOR GEAR UNIT	1	
142(2)		VDG0516	LOADING CAM GEAR	1	
143(2)		VDG0419	LOADING GEAR (S)	1	
144(2)		VML2266	PLAY CONTROL ARM	1	
145(2)		VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)		VDG0546	INTERMEDIATE GEAR	1	
147(2)		VXL1861	PLAY ARM UNIT	1	
148(2)		VBK0048	FG HEAD	1	
149(2)		VMB1746	LOADING SPRING(S)	1	
151(2)		VXP1029	REVIEW CLUTCH UNIT	1	
152(2)		VXP1030	TENSION RELEASE CLUTCH UNIT	1	
153(2)		VXL1851	REVIEW ARM UNIT	1	
154(2)		VML2197	TENSION RELEASE LEVER	1	
155(2)		VMX1536	CUT WASHER	1	
156(2)		VML2233	SUB CAM FOLLOWER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
157(2)		VMX1495	RUBBER STOPPER	1	
158(2)		VDG0517	SUB LEVER CAM	1	
159(2)		VDV0199	REVIEW CLUTCH TIMING BELT	1	
160(2)		VML2200	REVIEW CONTROL LEVER	1	
161(2)		VHD0431	STATOR SPACER SCREW	1	
162(2)		VHN0102	STATOR NUT	1	
201(3)		VMA7223	TOP PLATE	1	
202(3)		VXA3832	CASSETTE HOLDER UNIT	1	
216(3)		VXA2676	SIDE PLATE (L) UNIT	1	
217(3)		VMD0917	SIDE PLATE (L)	1	
218(3)		VML1880	OPENER LEVER	1	
219(3)		VXA4076	SIDE PLATE (R) UNIT	1	
221(3)		VXA4642	SLIDE SW UNIT	1	
229(3)		VXP0987	MAIN SHAFT UNIT	1	
230(3)		VMB1836	SUB WIPER SPRING (L)	1	
231(3)		VML1878	SUB WIPER ARM (L)	1	
232(3)		VML1879	SUB WIPER ARM (R)	1	
233(3)		VMB1837	SUB WIPER SPRING (R)	1	
234(3)		VMA6900	CASSETTE GUIDE	1	
235(3)		VKF1212	BLINDER PANEL	1	
236(3)		VMB1258	BLINDER SPRING	1	
240(3)		VMA7224	CASSETTE HOLDER ANGLE	1	
300(4)		VYP3406	TOP PANEL UNIT	1	NV-F75EG
300(4)		VGM0697	TOP PANEL	1	NV-F75B/EB
301(4)		VHD0165	TOP PANEL SCREW	4	
302(4)		VYP3384	FRONT PANEL (1) UNIT	1	NV-F75EG
302(4)		VYP3385	FRONT PANEL (1) UNIT	1	NV-F75B/EB
303(4)		VGU4497	DOOR OPEN BUTTON	1	
304(4)		VGU4498	DOOR LOCK LEVER	1	
305(4)		VGU4829	LOCK LEVER HOLDER	1	
306(4)		VMB1963	LOCK LEVER SPRING	1	
307(4)		VXU1026	JOG KNOB UNIT	1	
308(4)		VGU5424	SHUTTLE KNOB	1	
309(4)		VGP2768	JOG/SHUTTLE DECORATION RING	1	
310(4)		VYF1496	SUPPORT PANEL UNIT	1	
311(4)		VKC0329	SERVO HINGE CLIP	2	
312(4)		VJF0553	SERVO SUPPORT ANGLE	1	
313(4)		VJH0510	RF & ANT BOARD	1	NV-F75EG/EB
313(4)		VJH0580	RF & ANT BOARD	1	NV-F75B
314(4)		VXA3571	POWER SHIELD PLATE (MAIN)	1	
315(4)		VSC2397	POWER SHIELD PLATE (TOP)	1	
316(4)		VSC2237	POWER SHIELD PLATE (BOTTOM)	1	
317(4)		VGH1476	POWER NAME PLATE	1	
318(4)		VGQ1377	TR. HOLDER	1	
319(4)		VMZ1224	INSULATION SHEET	1	<!>
320(4)		VSC2238	HEAT SINK	1	
321(4)		VMP1734	SCREW STOPER ANGLE	1	
322(4)		VMZ1140	BARRIER	1	<!>
323(4)		VMP0442	TOP HOLDER ANGLE (F)	2	
324(4)		VMP1855	TOP HOLDER ANGLE (R)	2	
325(4)		VJF0442	WIRE SADDLE	2	
326(4)		VKU0302	BOTTOM PLATE	1	
327(4)		VHD0059	BOTTOM PLATE SCREW	6	
328(4)		VKC0354	MAIN HING CLIP	2	
329(4)		VHD0418	MAIN SCREW	1	
330(4)		VMC0445	EARTH PLATE	1	
331(4)		VES0588	KEY BOARD PANEL UNIT	1	NV-F75EG
331(4)		VES0590	KEY BOARD PANEL UNIT	1	NV-F75B
331(4)		VES0589	KEY BOARD PANEL UNIT	1	NV-F75EB
332(4)		VGP2501	DOOR PANEL	1	
333(4)		VGL0441	JOG PANEL LIGHT	1	
334(4)		VYC0438	DOOR ALUMINUM UNIT	1	
335(4)		VMC0612	EARTH SPRING	1	
336(4)		VMT0260	CUSHION RUBBER	2	
337(4)		VXU0878	DOOR GEAR UNIT	1	
338(4)		VKA0084	RUBBER FOOT	2	
339(4)		VMC0357	TR SPRING	1	
400(5)		VQT3922	OPERATING INSTRUCTIONS	1	<!> NV-F75EG
			(ENGLISH/GERMAN)		
400(5)		VQT3923	OPERATING INSTRUCTIONS	1	<!> NV-F75EG
			(FRENCH/DUTCH)		
400(5)		VQT3938	OPERATING INSTRUCTIONS	1	<!> NV-F75EG
			(ITALIAN)		
400(5)		VQT3935	OPERATING INSTRUCTIONS	1	<!> NV-F75B
			(ENGLISH)		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
400(5)		VQT3927	OPERATING INSTRUCTIONS	1	<!> NV-F75EB
			(ENGLISH/SWEDISH)		
400(5)		VQT3925	OPERATING INSTRUCTIONS	1	<!> NV-F75EB
			(DANISH/FINNISH)		
400(5)		VQT3934	OPERATING INSTRUCTIONS	1	<!> NV-F75EB
			(FINNISH/SPANISH)		
401(5)		VQC1752	PROGRAMME SHEET	1	NV-F75EG/EB
401(5)		VQC1770	PROGRAMME SHEET	1	NV-F75B
402(5)		VJA0376	DIN RF CABLE	1	
403(5)		VEQ1209	REMOTE CONTROLLER UNIT	1	
404(5)		VJA0231	AUDIO CABLE	2	
405(5)		VJA0449	AC CORD	1	<!> NV-F75EG/EB
405(5)		VJA0568	AC CORD	1	<!> NV-F75B
406(5)		VEQ0996	DIGITAL SCANNER UNIT	1	NV-F75EG/EB
406(5)		VEQ0995	DIGITAL SCANNER UNIT	1	NV-F75B
408(5)		VPK0834	ACCESSORIES PACKING	1	
409(5)		VPN2349	CUSHION (R)	1	
410(5)		VPN2348	CUSHION (L)	1	
411(5)		VPG5717	PACKING	1	NV-F75EG
411(5)		VPG5720	PACKING	1	NV-F75B
411(5)		VPG5719	PACKING	1	NV-F75EB
450(6)		VYK3496	TOP COVER UNIT	1	
451(6)		VKM2399	BOTTOM COVER	1	
452(6)		VKF1553	BATTERY COVER	1	
453(6)		VKW0878	IR WINDOW	1	
454(6)		VSP0557	RUBBER CONTACT	1	
455(6)		VGU5292	JOG KNOB	1	
456(6)		VMC0465	JOG SPRING	1	
457(6)		VGU5293	SHUTTLE KNOB	1	
458(6)		VJR0498	ELECTRODE(A)	1	
459(6)		VJR0509	ELECTRODE(B)	1	
460(6)		VGU5027	SELECT KNOB	1	
461(6)		VSQ0712	JOG SHUTTLE ENCODER UNIT	1	
500(7)		VYK2644	TOP COVER UNIT	1	NV-F75EG/EB
500(7)		VYK2643	TOP COVER UNIT	1	NV-F75B
501(7)		VKW0940	IR WINDOW	1	
502(7)		VGU4099	TRANSMISSION BUTTON	1	
503(7)		VGU4100	POWER SW KNOB	1	
504(7)		VKM1331	BOTTOM COVER	1	
505(7)		VJR0272	ELECTRODE (COMMON)	1	
506(7)		VJR0411	ELECTRODE (+)	1	
507(7)		VJR0412	ELECTRODE (-)	1	
508(7)		VKF1173	BATTERY COVER	1	NV-F75EG/EB
508(7)		VKF1024	BATTERY COVER	1	NV-F75B
509(7)		VKM1332	SENSOR CAP	1	
			SERVICING FIXTURES & TOOLS		
		VFJ8125H3F	VHS ALIGNMENT TAPE	1	(PAL)
		VFK0335	RETAINING RING REMOVER	1	(3mm/4mm)
		VFK0387	TENSION POST ADJUSTMENT	1	
			PLATE		
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHIT GAUGE	1	
		VFK0328	H-POSITION ADJUSTMENT	1	
			SCREWDRIVER		
		VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
		VFK62	FAN TYPE TENSION GAUGE	1	
		VFK0326	HEX WRENCH SET	1	
		VFK0132	BACK TENSION METER	1	
		VFK0343	CHECK LIGHT	1	
		VFK0344	HEIGHIT ADJUSTMENT FIXTURE	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0341	UPPER CYLINDER REMOVER	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICROFARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03822A	MAIN C.B.A.	1	<!> (NLA) NV-F75EG
					INCLUDING THE
					TEST SIGNAL PACK
					C.B.A.(VEP03610A),
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A.(VEP03847A),
					DDR SECAM PACK
					C.B.A.(VEP03452G),
					HiFi AUDIO PACK
					C.B.A.(VEP04285B),
					INPUT/OUTPUT PACK
					C.B.A.(VEP04330A),
					DECODER PACK C.B.A.
					(VEP07537C),
					VPS PACK C.B.A.
					(VEP07538C),
					TV DEMODULATOR PACK
					C.B.A.(VEP07596A)
		VEP03822C	MAIN C.B.A.	1	<!> (NLA) NV-F75B
					INCLUDING THE
					TEST SIGNAL PACK
					C.B.A.(VEP03610B),
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A.(VEP03847C),
					HiFi AUDIO PACK
					C.B.A.(VEP04285B),
					INPUT/OUTPUT PACK
					C.B.A.(VEP04330C),
					SUB NICAM PACK
					C.B.A.(VEP07548A),
					TV DEMODULATOR PACK
					C.B.A.(VEP07592E)
		VEP03822B	MAIN C.B.A.	1	<!> (NLA) NV-F75EB
					INCLUDING THE
					TEST SIGNAL PACK
					C.B.A.(VEP03610A),
					LUMINANCE &
					CHROMINANCE PACK
					C.B.A.(VEP03847B),
					HiFi AUDIO PACK
					C.B.A.(VEP04285B),
					INPUT/OUTPUT PACK
					C.B.A.(VEP04330B),
					VPS PACK C.B.A.
					(VEP07538C),
					SUB NICAM PACK
					C.B.A.(VEP07548B),
					TV DEMODULATOR PACK
					C.B.A.(VEP07596B)
		VEP03610A	TEST SIGNAL PACK C.B.A.	1	(NLA) NV-F75EG/EB
					INCLUDED IN MAIN
					C.B.A.(VEP03822A/B)
		VEP03610B	TEST SIGNAL PACK C.B.A.	1	(NLA) NV-F75B
					INCLUDED IN MAIN
					C.B.A.(VEP03822C)
		VEP03847A	LUMINANCE & CHROMINANCE	1	(NLA) NV-F75EG
			PACK C.B.A.		INCLUDING THE DDR
					SECAM PACK C.B.A.
					(VEP03452G),
					INCLUDED IN MAIN
					C.B.A.(VEP03822A)
		VEP03847C	LUMINANCE & CHROMINANCE	1	(NLA) NV-F75B
			PACK C.B.A.		INCLUDED IN MAIN
					C.B.A.(VEP03822C)
		VEP03847B	LUMINANCE & CHROMINANCE	1	(NLA) NV-F75EB
			PACK C.B.A.		INCLUDED IN MAIN
					C.B.A.(VEP03822B)
		VEP03452G	DDR SECAM PACK C.B.A.	1	(NLA) NV-F75EG
					INCLUDED IN LUMINANCE
					& CHROMINANCE PACK
					C.B.A.(VEP03847A)
		VEP04285B	HiFi AUDIO PACK C.B.A.	1	(NLA)
					INCLUDED IN MAIN
					C.B.A.(VEP03822A/B/C)
		VEP04330A	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-F75EG
					INCLUDED IN MAIN
					C.B.A.(VEP03822A)
		VEP04330C	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-F75B
					INCLUDED IN MAIN
					C.B.A.(VEP03822C)
		VEP04330B	INPUT/OUTPUT PACK C.B.A.	1	(NLA) NV-F75EB
					INCLUDED IN MAIN
					C.B.A.(VEP03822B)
		VEP07537C	DECODER PACK C.B.A.	1	(NLA) NV-F75EG
					INCLUDED IN MAIN
					C.B.A.(VEP03822A)
		VEP07538C	VPS PACK C.B.A.	1	(NLA) NV-F75EG/EB
					INCLUDED IN MAIN
					C.B.A.(VEP03822A/B)
		VEP07548A	SUB NICAM PACK C.B.A.	1	(NLA) NV-F75B
					INCLUDED IN MAIN
					C.B.A.(VEP03822C)
		VEP07548B	SUB NICAM PACK C.B.A.	1	(NLA) NV-F75EB
					INCLUDED IN MAIN
					C.B.A.(VEP03822B)
		VEP07596A	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-F75EG
					INCLUDED IN MAIN
					C.B.A.(VEP03822A)
		VEP07592E	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-F75B
					INCLUDED IN MAIN
					C.B.A.(VEP03822C)
		VEP07596B	TV DEMODULATOR PACK C.B.A.	1	(NLA) NV-F75EB
					INCLUDED IN MAIN
					C.B.A.(VEP03822B)
		VEP02325P	SERVO C.B.A.	1	(NLA)
					INCLUDING THE
					SUB SERVO PACK
					C.B.A.(VEP02352A)
		VEP02352A	SUB SERVO PACK C.B.A.	1	(NLA)
					INCLUDED IN SERVO
					C.B.A.(VEP02325P)
		VEP07549A	NICAM DECODER C.B.A.	1	(NLA) NV-F75B
		VEP07549B	NICAM DECODER C.B.A.	1	(NLA) NV-F75EB
		VEP05134B	HEAD AMP C.B.A.	1	(NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06731A	VR C.B.A.	1	(NLA) NV-F75EG
					INCLUDING THE
					HEAD PHONE JACK
					C.B.A.(VEP00R22A)
		VEP06731E	VR C.B.A.	1	(NLA) NV-F75B/EB
					INCLUDING THE
					HEAD PHONE JACK
					C.B.A.(VEP00R22C)
		VEP00R22A	HEAD PHONE JACK C.B.A.	1	(NLA) NV-F75EG
					INCLUDED IN VR
					C.B.A.(VEP06731A)
		VEP00R22C	HEAD PHONE JACK C.B.A.	1	(NLA) NV-F75B/EB
					INCLUDED IN VR
					C.B.A.(VEP06731E)
		VEP07622A	TIMER C.B.A.	1	(NLA) NV-F75EG
					INCLUDING THE
					IR RECEIVER
					C.B.A.(VEP06552A)
		VEP07622F	TIMER C.B.A.	1	(NLA) NV-F75B
					INCLUDING THE
					IR RECEIVER
					C.B.A.(VEP06552A)
		VEP07622E	TIMER C.B.A.	1	(NLA) NV-F75EB
					INCLUDING THE
					IR RECEIVER
					C.B.A.(VEP06552A)
		VEP06552A	IR RECEIVER C.B.A.	1	(NLA)
					INCLUDED IN TIMER
					C.B.A.(VEP07622A/F/E)
		VEP01353M	POWER C.B.A.	1	<!> (NLA) NV-F75EG/B
		VEP01353P	POWER C.B.A.	1	<!> (NLA) NV-F75EB
		VEP06537A	JOG/SHUTTLE C.B.A.	1	(NLA)
		VEP66151B	REMOTE CONTROLLER C.B.A.	1	(NLA)
		VEP66077C	DIGITAL SCANNER C.B.A.	1	(NLA) NV-F75EG/EB
		VEP66077B	DIGITAL SCANNER C.B.A.	1	(NLA) NV-F75B
		VEX0117	CYLINDER DRIVE C.B.A.	1	(NLA)
		VEP00K88C	FE HEAD C.B.A.	1	(NLA)
		VEP00M86A	FG AMP C.B.A.	1	(NLA)
		VXA3825	MECHANISM CONNECTION C.B.A.	1	(NLA)
		VEK3578	PHOTO Tr. (S) C.B.A.	1	(NLA)
		- - - -	PHOTO Tr. (T) C.B.A.	1	THIS PART IS
					INCLUDED IN SLIDE
					SW UNIT.(VXA4642)
		ENV57850H6	TUNER	1	<!> (NLA) NV-F75EG/EB
		ENV87837H3A	TUNER	1	<!> (NLA) NV-F75B
		ENC17974	RF CONVERTER	1	<!> (NLA) NV-F75EG/EB
		ENC17972B	RF CONVERTER	1	<!> (NLA) NV-F75B
F1101		XBA2C16TB0	FUSE	1	<!>
F1102		XBA2C12TB0	FUSE	1	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP03822A	MAIN C.B.A.		<!> (NLA) NV-F75EG
BP6010,11		VJP1258	CONNECTOR (MALE)	2	
			CAPACITORS		
C301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C302		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C304,05		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C306		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C307,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C309		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C310		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C311		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C312		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C313		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C314		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C315		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C316		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C317		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C318		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C319		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C320		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C325		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C801		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C802		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C803		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C804,05		ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C806		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C807		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C808		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C818		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C828		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C829		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C831		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C832		ECUM1E123KBN	C.CAPACITOR CH 25V 0.012U	1	
C833		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C835		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C836,37		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C838		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C844		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C845		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C846		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C851		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C852		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853		ECEA10Z47	E.CAPACITOR 10V 47U	1	
C854		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C858		ECKF1H681KB	C.CAPACITOR 50V 680P	1	
C1001		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C1002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C1003		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C1004		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C1005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1007,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1009		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1010		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C1011		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C1012		ECEA1HU470	E.CAPACITOR 50V 47U	1	
C1014,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2006		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3005		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3006		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3007		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3008		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3016		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3017		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3018		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C3019		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3020		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3021		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C3022		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3023		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3024		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3026		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3028		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3029		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3030		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3032		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3034		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3040		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3042		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3048		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3049		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3050		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3051		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3053		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C3054		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3635-37		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3638,39		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3913		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C3914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3915		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3916-19		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121J	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4011		ECQB1H273JZ	P.CAPACITOR 50V 0.027U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4014		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M22	E.CAPACITOR 10V 22U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4023		ECUM1H221JN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C4027		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4029		ECQB1H123JZ	F.CAPACITOR 50V 0.012U	1	
C4101		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4103		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4104		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4106		ECEA1APK470	E.CAPACITOR 10V 47U	1	
C4107		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4108		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C4110,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C4112		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C4114,15		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C4116		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4118		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4119		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4121		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C4122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4123		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	1	
C4124		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4125		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4126		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4127-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C4132-34		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4139		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C4140		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C4501		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4502		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4503		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4504		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4505		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4506		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4507		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4508		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4509		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4510		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4511		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4512		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4513,14		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4515		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4517		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4518,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4520		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4521		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4522		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4525		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4526		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4527		VCEA1AAE101	E.CAPACITOR 10V 100U	1	
C4528		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C4529		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4530		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4531		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4532		ECEA1CPZ471	E.CAPACITOR 16V 470U	1	
C4533		ECEA1CPZ221	E.CAPACITOR 16V 220U	1	
C4534		VCEA1AAH101	E.CAPACITOR 10V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4535		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4537		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4538		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4539		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4540-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4543		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4544		ECQB1H222JZ	P.CAPACITOR 50V 2200P	1	
C4545		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4551		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4552		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4553		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4554		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4555		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4556		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4557		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4558		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4559		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4560		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4561		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4562		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4563,64		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4565		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4567		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4568,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4570		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4572		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4574,75		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C4576		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4907,08		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	2	
C4909,10		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	2	
C4911,12		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4913,14		ECQB1H682JZ	P.CAPACITOR 50V 6800P	2	
C4915,16		ECQB1H183JZ	F.CAPACITOR 50V 0.018U	2	
C4918		VCEA1HAC3R3	E.CAPACITOR 50V 3.3U	1	
C4920,21		VCEA1CAD100	E.CAPACITOR 16V 10U	2	
C4922		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4923		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C4924-26		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C4927		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4928		VCEA1CAC101	E.CAPACITOR 16V 100U	1	
C4929		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4930,31		VCEA1HAC010	E.CAPACITOR 50V 1U	2	
C4932,33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4934		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6001		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6002		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6003		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6004		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6005		ECUM1H151KBN	C.CAPACITOR CH 50V 150P	1	
C6006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C6007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6008		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C6010,11		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C6012		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C6013,14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6015		ECUM1H102ZFN	C.CAPACITOR CH 50V 1000P	1	
C6016		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6018,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6020-23		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	4	
C6024-28		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	5	
C6029		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C6030		ECEA1CU222	E.CAPACITOR 16V 2200U	1	
C6033		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6034		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6037,38		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6043,44		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C6045,46		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7302		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7303		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C7304		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7305		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7306		ECQB1H102KZ	P.CAPACITOR 50V 1000P	1	
C7307		ECQB1H822KZ	P.CAPACITOR 50V 8200P	1	
C7308		ECQB1H102KZ	P.CAPACITOR 50V 1000P	1	
C7309		ECQB1H152JZ	P.CAPACITOR 50V 1500P	1	
C7310		ECEA16M10	E.CAPACITOR 10V 10U	1	
C7311		ECEA50MR47	E.CAPACITOR 50V 0.47U	1	
C7312		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7313		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7314		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7315		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7316		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C7317		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C7318		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7319		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7320,21		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7322		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C7323,24		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	2	
C7325		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7331		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C7332,33		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C7334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7335		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7336		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7337		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C7338		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7339		ECQB1H103KZ	F.CAPACITOR 50V 0.01U	1	
C7340		ECUM1H390JPN	C.CAPACITOR CH 50V 39P	1	
C7341		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C7342		ECQB1H183JZ	F.CAPACITOR 50V 0.018U	1	
C7343		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7344		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C7345		ECQB1H103KZ	F.CAPACITOR 50V 0.01U	1	
C7346		ECUM1H390JPN	C.CAPACITOR CH 50V 39P	1	
C7347		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C7348		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7801		ECQB1H102JZ	F.CAPACITOR 50V 1000P	1	
C7802		ECQB1H471JZ	F.CAPACITOR 50V 470P	1	
C7803		ECQB1H472JZ	F.CAPACITOR 50V 4700P	1	
C7804		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C7806		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C7815		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C7851		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C7853,54		ECCF1H330JC	C.CAPACITOR 50V 33P	2	
C7855,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
D301		MA4091	DIODE	1	
D303		1SS254	DIODE	1	
D710		MA3100L	DIODE	1	
D773		11ES1	DIODE	1	
D803		1SS254	DIODE	1	
D1001		MA723	DIODE	1	
D1003,04		MA723	DIODE	2	
D1005		1SS254	DIODE	1	
D1008		1SS254	DIODE	1	
D1010,11		1SS254	DIODE	2	
D3006		MA723	DIODE	1	
D3009,10		1SS254	DIODE	2	
D3011		MA27W	DIODE	1	
D3012		1SS254	DIODE	1	
D3608		MA165	DIODE	1	
D3901,02		1SS254	DIODE	2	
D4003		1SS254	DIODE	1	
D4101		1SS254	DIODE	1	
D4901		MA4068-L	DIODE	1	
D6001		MA204WK	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6003-05		1SS254	DIODE	3	
D6007		MA204WA	DIODE	1	
D6009-14		1SS254	DIODE	6	
D6016		1SS254	DIODE	1	
D6017		MA4100M	DIODE	1	
D6019		MA204WA	DIODE	1	
D6021		MA206	DIODE	1	
D6024		MA4051L	DIODE	1	
D6025		AK04	DIODE	1	
D6026		1SS254	DIODE	1	
D6027		MA4075M	DIODE	1	
D6029		MA204WK	DIODE	1	
D6032		1SS254	DIODE	1	
D6033		MA723	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA28WA	DIODE	1	
D7672,73		MA3150H	DIODE	2	
D7851		MA165	DIODE	1	
DL801		EFDUN124A13N	DELAY	1	
DL802		EFDBR124A53T	DELAY	1	
FL301		VLF0727	FILTER	1	
FL801		ELB4H060	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3601		VLF0413	FILTER	1	
FL4502		VLF0406	FILTER	1	
FL4503		VLF0697	FILTER	1	
IC301		MSM6965-3RS	IC	1	
IC302		VEFH14D	IC	1	
IC701		M51366SP	IC	1	
IC851		BA7025L	IC	1	
IC3001		AN3396	IC	1	
IC3602		BA7004	IC	1	
IC3901		M51292FP	IC	1	
IC4001		BA7766AS	IC	1	
IC4101		RC4560DD	IC	1	
IC4102		AN3912	IC	1	
IC4501		BA7705K1	IC	1	
IC4502		UPC78L05J	IC	1	
IC4901		M51293FP	IC	1	
IC4902		UPC78L06T	IC	1	
IC6001		MN188166VDU	IC	1	
IC6002		MN1280R	IC	1	
IC6003		MC14011BCP	IC	1	
IC6004		LM339N	IC	1	
IC6005		AN6609N	IC	1	
IC6006		LM393P	IC	1	
IC6007		MC14519BCP	IC	1	
IC7301		TDA3803A	IC	1	
IC7302,03		AN5215	IC	2	
IC7801		SAA4700	IC	1	
IC7851		MN158413VSSY	IC	1	
IC7852		MN1280S	IC	1	
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
J3901		VJS1469	PACK PIN	1	
J7301,02		VJR0189	PACK PIN	2	
KR851		VJR0163	PACK PIN	1	
L301-04		ELESP101KA	COIL H	4	
L305		ELESP560KA	COIL 56H	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L306		ELESP680KA	COIL 68UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L801		ELESP560JA	COIL H	1	
L802		ELESP270KA	COIL H	1	
L803		ELESP101KA	COIL H	1	
L804-06		ELESP150KA	COIL 15UH	3	
L810-12		ELESP101KA	COIL H	3	
L851		VLQEL05F101K	COIL 100UH	1	
L2002		VLP0083	COIL H	1	
L3001,02		ELESP101KA	COIL H	2	
L3003		ELESP120KA	COIL 12UH	1	
L3005		ELESP101KA	COIL H	1	
L3006		ELESP6R8JA	COIL H	1	
L3007		VLQEL05F270J	COIL 27UH	1	
L3008		VLQEL05F151K	COIL 150UH	1	
L3009,10		ELESP101KA	COIL H	2	
L3013		ELESP820KA	COIL H	1	
L3020		ELESP5R6KA	COIL H	1	
L3021,22		VLP0099	COIL H	2	
L3023		VLP0083	COIL H	1	
L3611,12		VLQEL05F101K	COIL 100UH	2	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L4102		ELESP1R0KA	COIL 1UH	1	
L4104-06		ELESP101KA	COIL H	3	
L4501,02		ELESP101KA	COIL H	2	
L4503		VLQ0422	COIL H	1	
L4901-04		ELESP102KA	COIL 1000UH	4	
L4905,06		ELESP101KA	COIL H	2	
L7301		ELESP102KA	COIL 1000UH	1	
L7302		ELESP680KA	COIL 68UH	1	
L7304		VTQ0014	COIL	1	
P1001		VJS2571A014	CONNECTOR	1	
P2001		VJP1242T	CONNECTOR(MALE) 2P	1	
P2002		VJP1141	CONNECTOR(MALE) 2P	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P4001		VJP1231T	CONNECTOR(MALE) 4P	1	
P4002		VJP1236T	CONNECTOR(MALE) 9P	1	
P4003		VJP1234T	CONNECTOR(MALE) 7P	1	
P4004		VJP1229T	CONNECTOR(MALE) 2P	1	
P4901		VJP1244T	CONNECTOR(MALE) 4P	1	
P6001		VJS2185	CONNECTOR	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6003		VJP1239T	CONNECTOR(MALE) 12P	1	
P7401		VJS2571A013	CONNECTOR (FEMALE)	1	
P7402		VJS2571A012	CONNECTOR (FEMALE)	1	
P7403		VJS2571A011	CONNECTOR (FEMALE)	1	
P7404		VJS2571A008	CONNECTOR (FEMALE)	1	
PK1		VJR0189	PACK PIN	1	
PK4501		VJR0477	PACK PIN	1	
PK4502,03		VJR0290	PACK PIN	2	
PK4901-04		VJR0164	PACK PIN	4	
Q301		MSC2295	TRANSISTOR	1	
Q302		MSD601	TRANSISTOR	1	
Q703		2SD601	TRANSISTOR	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q712		2SD638	TRANSISTOR	1	
Q771		2SD601	TRANSISTOR CHIP	1	(S,T)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q801		MSC2295	TRANSISTOR	1	
Q802		MSD601	TRANSISTOR	1	
Q803,04		MSD601	TRANSISTOR	2	
Q805		MSD601	TRANSISTOR	1	
Q1001		2SC4024LF	TRANSISTOR	1	
Q1002		MSD601	TRANSISTOR	1	
Q1003		2SD601A	TRANSISTOR	1	
Q1004		2SD1996	TRANSISTOR	1	
Q1005		2SD1992	TRANSISTOR	1	
Q1006,07		MSD601	TRANSISTOR	2	
Q3001		2SA1309	TRANSISTOR	1	
Q3002		2SC3311	TRANSISTOR	1	
Q3003-05		MSC2295	TRANSISTOR	3	
Q3006		2SC3311	TRANSISTOR	1	
Q3007		MSD601	TRANSISTOR	1	
Q3011		MSB709	TRANSISTOR	1	
Q3610		2SD601	TRANSISTOR CHIP	1	
Q4001		2SD1992A	TRANSISTOR	1	(R)
Q4103		2SD1328	TRANSISTOR CHIP	1	
Q4501		MSD601	TRANSISTOR	1	
Q4502,03		2SD1757	TRANSISTOR	2	
Q4504		MSB709	TRANSISTOR	1	
Q4901		2SB644	TRANSISTOR	1	
Q6002-04		2SA1512	TRANSISTOR	3	(R,S)
Q6006		2SD893	TRANSISTOR	1	
Q6007		2SD592	TRANSISTOR	1	
Q6008		2SC3311	TRANSISTOR	1	
Q6011		2SD1856	TRANSISTOR	1	
Q6012		2SC3311	TRANSISTOR	1	
Q6013		MSD601	TRANSISTOR	1	
Q6014		MSD601	TRANSISTOR	1	
Q6015		MSD601	TRANSISTOR	1	
Q6020		MSD601	TRANSISTOR	1	
Q7301		2SD601	TRANSISTOR	1	(S,T)
Q7302		2SD1328	TRANSISTOR	1	(S)
Q7303		2SD1328	TRANSISTOR CHIP	1	(S,T)
Q7304,05		2SD601	TRANSISTOR CHIP	2	
Q7306		2SC2404	TRANSISTOR CHIP	1	(C,D)
Q7307		2SD1328	TRANSISTOR	1	(S)
QR301,02		MRN1403	TRANSISTOR-RESISTOR	2	
QR304		MRN1403	TRANSISTOR-RESISTOR	1	
QR305		MRN1403	TRANSISTOR-RESISTOR	1	
QR701		MRN1404	TRANSISTOR-RESISTOR	1	
QR702		MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR805		MRN1403	TRANSISTOR-RESISTOR	1	
QR806		MRN1403	TRANSISTOR-RESISTOR	1	
QR807		MRN1404	TRANSISTOR-RESISTOR	1	
QR853		UN1213	TRANSISTOR-RESISTOR	1	
QR1001		MRN1402	TRANSISTOR-RESISTOR	1	
QR1002		MRN1404	TRANSISTOR-RESISTOR	1	
QR1003		MRN2403	TRANSISTOR-RESISTOR	1	
QR1004		MRN2404	TRANSISTOR-RESISTOR	1	
QR1006		MRN1402	TRANSISTOR-RESISTOR	1	
QR2001		MRN1402	TRANSISTOR-RESISTOR	1	
QR3001		MRN1403	TRANSISTOR-RESISTOR	1	
QR3002		MRN1407	TRANSISTOR-RESISTOR	1	
QR3003		MRN2402	TRANSISTOR-RESISTOR	1	
QR3004		MRN1404	TRANSISTOR-RESISTOR	1	
QR3005		MRN2402	TRANSISTOR-RESISTOR	1	
QR3006,07		DTC363EK	COMBI.TR-R	2	
QR3008		MRN1403	TRANSISTOR-RESISTOR	1	
QR3010		MRN1404	TRANSISTOR-RESISTOR	1	
QR3012		DTC363EK	COMBI.TR-R	1	
QR3013		MRN1404	TRANSISTOR-RESISTOR	1	
QR3015,16		MRN1403	TRANSISTOR-RESISTOR	2	
QR3901		MRN1404	TRANSISTOR-RESISTOR	1	
QR3902		MRN2404	TRANSISTOR-RESISTOR	1	
QR4001		MRN1404	TRANSISTOR-RESISTOR	1	
QR4101		MRN1404	TRANSISTOR-RESISTOR	1	
QR4102		MRN2404	TRANSISTOR-RESISTOR	1	
QR4103,04		MRN2403	TRANSISTOR-RESISTOR	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4105		MRN1404	TRANSISTOR-RESISTOR	1	
QR4501,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6003		MRN1404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6005		MRN1402	TRANSISTOR-RESISTOR	1	
QR6006		MRN1402	TRANSISTOR-RESISTOR	1	
QR6007,08		MRN1402	TRANSISTOR-RESISTOR	2	
QR6009		MRN1402	TRANSISTOR-RESISTOR	1	
QR6010		MRN1404	TRANSISTOR-RESISTOR	1	
QR6011		MRN1402	TRANSISTOR-RESISTOR	1	
QR6013		MRN2402	TRANSISTOR-RESISTOR	1	
QR6014		MRN2404	TRANSISTOR-RESISTOR	1	
QR6015-17		MRN1404	TRANSISTOR-RESISTOR	3	
QR6018		MRN2404	TRANSISTOR-RESISTOR	1	
QR6019		MRN1404	TRANSISTOR-RESISTOR	1	
QR6020		MRN1404	TRANSISTOR-RESISTOR	1	
QR6021		MRN2404	TRANSISTOR-RESISTOR	1	
QR6022		MRN2402	TRANSISTOR-RESISTOR	1	
QR6024		MRN2404	TRANSISTOR-RESISTOR	1	
QR6025		MRN1403	TRANSISTOR-RESISTOR	1	
QR6027		MRN1404	TRANSISTOR-RESISTOR	1	
QR7301,02		UN2214	TRANSISTOR-RESISTOR	2	
QR7312-14		UN2211	TRANSISTOR-RESISTOR	3	
QR7851		UN1211	TRANSISTOR-RESISTOR	1	
QR7852		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R303		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R304		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R305		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R306		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R307		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R308		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R309-11		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R313		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R314		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R315		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R316		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R321		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R801		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R802		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R803		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R804		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R806		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R807,08		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	2	
R809,10		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R811		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R812		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R817		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R819		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R832		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R834		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R835		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R836		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R837		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R838		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R839		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R840		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R841		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R843-45		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	3	
R846		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R847		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R848		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R849		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R851		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R852		ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R853		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R854		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R855		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R856		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R858		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R860		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1002		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R1003		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R1004		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1005		ERDS1TJ822	C.RESISTOR 1/2W 8.2K	1	
R1006		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R1007		ERJ6GMYG912	M.RESISTOR CH 1/10W 9.1K	1	
R1008		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1009		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R1010		ERJ6GMYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1011		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R1012		ERG2ANJ681U	M.RESISTOR 2W 680	1	
R1013		ERG2ANJ821U	M.RESISTOR 2W 820	1	
R1014		ERX1SJ1R2	M.RESISTOR 1W 1.2	1	
R1015		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R1017,18		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R1023		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R2001		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R2002		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2005		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2006		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2007		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2010		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3001		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3002		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R3003		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3006		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3007,08		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	2	
R3009		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R3010		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3011		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3012		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3014		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3015		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3017		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3019		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R3020		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3021		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R3022		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3023		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3024		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3025,26		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3027		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3028		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3030		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3031		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3034		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3037		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R3041		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3042		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3043		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3047		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3048		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3049		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3053		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3054		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3055		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3057		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3061		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3062		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3063		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3634,35		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R3636		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3901,02		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3908		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3909,10		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3911,12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3915		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3919,20		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R3922		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3923		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3924		ERD2FCVG220	C.RESISTOR 2W 22	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4003		ERJ6GMYJ203	M.RESISTOR CH1/10W 20K	1	
R4004,05		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4007		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4008		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4009		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4015		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4019		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4020		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R4021		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4022		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4029		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4030		ERJ6GMYJ512	M.RESISTOR CH1/10W 5.1K	1	
R4031		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4035		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R4101		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4104		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4105,06		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4107		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4108		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4109		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4110		EROS2CKG1003	M.RESISTOR 1/4W 100K	1	
R4111		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4112		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4113,14		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	2	
R4115		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R4116		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4117		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4118		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R4119		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4501		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4502		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4503		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4504		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4505		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4506		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4507		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4508		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4511		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4512		VRE0034E912	M.RESISTOR CH 1/10W 9.1K	1	
R4513		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R4514		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4515		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4516		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4517		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4520		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R4521		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4522		ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R4523		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4525,26		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	2	
R4527		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R4528		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4529		ERJ6GMYG163	M.RESISTOR CH1/10W 16K	1	
R4530		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4533		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4534		VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R4535		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4536		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4539		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4540		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R4541		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R4542		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R4551		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4552		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4553		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4554		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4555		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4556		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4557		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4558		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4561		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4562		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4563		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4564		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4565		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4566		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4567		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R4573		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4574		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4576		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4577		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4578		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4902,03		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4908,09		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	2	
R4910,11		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4912,13		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R4916,17		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R4924		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4925		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4926		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4927		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4928		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4929		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R4930		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4931		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4932		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4933		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4934		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4935		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4936		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4937		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4938		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4939		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4940		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4941		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4942		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R4943-46		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4947,48		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R6001		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6002		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6005		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6006,07		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	2	
R6008		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6009		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6010,11		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R6016		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R6017		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6018		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6019		ERJ6GMYJ121	M.RESISTOR CH1/10W 120	1	
R6020		ERG2SJ180	M.RESISTOR 2W 18	1	
R6021		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6023		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6029		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6030		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6031		ERJ6GMYG432	M.RESISTOR CH1/10W 4.3K	1	
R6032		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6033		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6034		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6035		ERSF30JR90U	M.RESISTOR 0.9	1	
R6036		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6038		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6039,40		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	2	
R6041		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6042		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6043,44		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	2	
R6045,46		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6047		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6048-50		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R6051,52		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6054		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6055		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6056		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6057		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6058		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6059		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6060		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6061		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6062,63		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6064-66		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	3	
R6067		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6068		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6069		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6071		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6072		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6073-75		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	3	
R6076		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6077,78		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	2	
R6079		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6080		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6081,82		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R6083		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6084		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6085		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6087		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6088		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6089		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6090		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6091		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6092		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R6093		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6094-98		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	5	
R6099,00		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R6101		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R6102		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6103		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6104		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6105,06		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	2	
R6107,08		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	2	
R6109		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6110		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6111		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6112		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6113		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6114		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6115		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6119-22		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	4	
R6123		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R7302		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7303		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7304		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7305		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7306		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7307		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7308		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R7309		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R7310		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R7311		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7312		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7313		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R7314,15		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R7316		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7317		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7318		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7321,22		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7323		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7324		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R7325		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7329		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7330		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7331		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7333		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7334-37		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	4	
R7338		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7339		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R7340		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7341		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7342		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7343,44		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7345		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7346		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7347		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7348		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7349		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7350		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R7351		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7801		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R7802		EROS2CKG7502	M.RESISTOR 1/4W 75K	1	
R7803,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R7805		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R7806		EROS2CKG3601	M.RESISTOR 1/4W 3.6K	1	
R7807		ERDS2TJ474	C.RESISTOR 1/4W 470K	1	
R7851		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7852		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7860		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
SW3901		VSS0236	SWITCH	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T851		ELM7Q207A	TRANSFORMER	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
T7301		EIR7QG001B	IF TRANSFORMER	1	
T7302,03		EIL7QH012Q	TRANSFORMER	2	
T7304		EIS5EC007A	TRANSFORMER	1	
T7305		EIS5EC005A	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR301		EVTF6SA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR801,02		EVTF6SA00B13	V.RESISTOR 1K	2	
VR2001		EVNDXAA00B54	V.RESISTOR 50K	1	
VR2006		EVNDXAA00B15	V.RESISTOR 100K	1	
VR2009,10		EVND4AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDXAA00B15	V.RESISTOR 100K	1	
VR2013		EVNDXAA00B23	V.RESISTOR 2K	1	
VR2018,19		EVNDXAA00B15	V.RESISTOR 100K	2	
VR3012,13		EVNDXAA00B52	V.RESISTOR 500	2	
VR3020		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4001		EVNDXAA00B14	V.RESISTOR 10K	1	
VR4002		EVNDXAA00B25	V.RESISTOR 200K	1	
VR4004		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4501		EVMFNGA00B14	V.RESISTOR 10K	1	
VR4502		EVMF8GA00B24	V.RESISTOR 20K	1	
VR4503		EVNDXAA00B23	V.RESISTOR 2K	1	
VR4507		EVN3ACA00B24	V.RESISTOR 20K	1	
VR4509		EVMFNGA00BS3	V.RESISTOR	1	
VR4510		EVTF6SA00B25	V.RESISTOR 200K	1	
VR4512		EVND1AA00B22	V.RESISTOR 200	1	
VR7301		EVN38CA00B14	V.RESISTOR 10K	1	
VR7326		EVN38CA00B52	V.RESISTOR 500	1	
VR7328		EVN38CA00B52	V.RESISTOR 500	1	
VR7340		EVNE4AA00B14	V.RESISTOR 10K	1	
VR7342		EVNE4AA00B53	V.RESISTOR 5K	1	
VR7344		EVNE4AA00B14	V.RESISTOR 10K	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		VLF0638	CRYSTAL OSCILLATOR	1	
X715		ELB5A043	CRYSTAL OSCILLATOR	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	CRYSTAL OSCILLATOR	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3601		VSX0099	CRYSTAL OSCILLATOR	1	
X6001		VSX0306	CRYSTAL OSCILLATOR	1	
X6002		VSQ0565	CRYSTAL OSCILLATOR	1	
X7301,02		EFCS5R5MS5B	CRYSTAL OSCILLATOR	2	
X7303,04		EFCS5R74MS5B	CRYSTAL OSCILLATOR	2	
X7305		ELB5A016	CRYSTAL OSCILLATOR	1	
X7851		EFOA4R0M03C2	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC1068	HEAT SINK	1	
		VSC1323	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17974	RF CONVERTER	1	<!>
		VJH0510	RF CONVERTER JACK PLATE	1	
		VJF0858	CLIP	1	
		VJP2629	CONNECTOR (12P)	3	MAIN TO SERVO
		VJP2630	CONNECTOR (14P)	1	MAIN TO SERVO
		VJR0406	PACK PIN (5P)	1	FOR TEST SIG PACK
		VEJ1068	REAR JACK	1	FOR I/O PACK
		VGU3501	SW KNOB	1	FOR I/O PACK
		ENV57850H6	TUNER	1	<!>
		VSC2713	SHIELD (MAIN)	1	FOR TV DEMODU PACK
		VSC2712	SHIELD (TOP)	1	FOR TV DEMODU PACK
		VSC2714	SHIELD (BOTTOM)	1	FOR TV DEMODU PACK
		VJR0163	PACK PIN (9P)	1	FOR LUMI & CHRO PACK
		VJR0130	PACK PIN (12P)	1	FOR LUMI & CHRO PACK
		VJR0160	PACK PIN (6P)	1	FOR LUMI & CHRO PACK
	■	VEP03822C	MAIN C.B.A.		<!> (NLA) NV-F75B

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
BP6010,11		VJP1255	CONNECTOR (MALE)	2	
			CAPACITORS		
C301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C302		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C304,05		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C306		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C307,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C309		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C310		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C311		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C312		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C313		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C314		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C315		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C316		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C317		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C318		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C319		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C320		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C325		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C706		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C708		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C717-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C801		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C802		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C803		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C804,05		ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C806		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C807		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C808		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C818		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C828		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C829		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C831		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C832		ECUM1E123KBN	C.CAPACITOR CH 25V 0.012U	1	
C833		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C835		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C836,37		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C838		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C844		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C845		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1001		ECEA1AK330	E.CAPACITOR 10V 33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C1003		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C1004		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C1005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1007,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1009		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1011		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C1012		ECEA1HU470	E.CAPACITOR 50V 47U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3005		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3006		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3007		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3008		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3016		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3017		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3018		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C3019		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3020		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3021		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C3022		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3023		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3024		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3026		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3028		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3029		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3030		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3032		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3034		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3040		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3042		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3048		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3049		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3050		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3051		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3054		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3635-37		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3638,39		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3913		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C3914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3915		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3916-19		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121J	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4011		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4014		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M22	E.CAPACITOR 10V 22U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4023		ECUM1H221JN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4026		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C4027		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4029		ECQB1H153JZ	F.CAPACITOR 50V 0.015U	1	
C4036		ECCF1H681J	C.CAPACITOR 50V 680P	1	
C4101		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4103		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4104		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4106		ECEA1APK470	E.CAPACITOR 10V 47U	1	
C4107		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4108		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C4110,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C4112		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C4114,15		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C4118		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4119		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4125		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4126		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4139		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C4140		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C4501		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4502		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4503		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4504		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4505		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4506		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4507		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4508		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4509		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4510		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4511		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4512		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4513,14		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4515		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4517		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4518,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4520		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4521		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4522		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4525		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4526		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4527		VCEA1AAE101	E.CAPACITOR 10V 100U	1	
C4528		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C4529		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4530		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4531		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4532		ECEA1CPZ471	E.CAPACITOR 16V 470U	1	
C4533		ECEA1CPZ221	E.CAPACITOR 16V 220U	1	
C4534		VCEA1AAH101	E.CAPACITOR 10V 100U	1	
C4535		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4537		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4538		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4539		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4540-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4543		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4544		ECQB1H222JZ	P.CAPACITOR 50V 2200P	1	
C4545		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4551		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4552		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4553		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4554		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4555		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4556		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4557		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4558		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4559		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4560		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4561		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4562		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4563,64		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4565		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4567		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4568,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4570		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4572		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4574,75		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C4576		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4905,06		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C4911,12		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4918		VCEA1HAC3R3	E.CAPACITOR 50V 3.3U	1	
C4920,21		VCEA1CAD100	E.CAPACITOR 16V 10U	2	
C4922		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4923		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C4924-26		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C4927		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4928		VCEA1CAC101	E.CAPACITOR 16V 100U	1	
C4929		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4930,31		VCEA1HAC010	E.CAPACITOR 50V 1U	2	
C4932,33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4934		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6001		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6002		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6003		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6004		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6005		ECUM1H151KBN	C.CAPACITOR CH 50V 150P	1	
C6006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C6007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6008		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C6010,11		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C6012		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C6013,14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6015		ECUM1H102ZFN	C.CAPACITOR CH 50V 1000P	1	
C6016		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6018,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6020-23		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	4	
C6024-28		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	5	
C6029		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C6030		ECEA1CU222	E.CAPACITOR 16V 2200U	1	
C6033		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6034		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6037,38		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6041		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6043		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6045,46		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H392JZ	F.CAPACITOR 50V 3900P	1	
C7654		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C7655,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7657		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7658		ECQP1H562JZ	P.CAPACITOR 50V 5600P	1	
C7659		ECQB1H272JZ	F.CAPACITOR 50V 2700P	1	
C7661		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7662		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C7663		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C7664		ECQB1H273JZ	P.CAPACITOR 50V 0.027U	1	
C7665,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7667		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7675		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C7676,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7678		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7680		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7681,82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7951		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C7953		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7954		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C7955-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C7961		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C7962		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7963		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7964		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C7965		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C7966		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7967		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7968,69		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7970		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7971		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7972		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7973,74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7975		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7976,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7978		ECEA1CK100	E.CAPACITOR 16V 10U	1	
D301		MA4091	DIODE	1	
D303		1SS254	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		MA151K	DIODE	1	
D803		1SS254	DIODE	1	
D1001		MA723	DIODE	1	
D1003,04		MA723	DIODE	2	
D1008		1SS254	DIODE	1	
D1010,11		1SS254	DIODE	2	
D3006		MA723	DIODE	1	
D3009		1SS254	DIODE	1	
D3011		MA27W	DIODE	1	
D3012		1SS254	DIODE	1	
D3608		MA165	DIODE	1	
D3901,02		1SS254	DIODE	2	
D4003		1SS254	DIODE	1	
D4101		1SS254	DIODE	1	
D4901		MA4068-L	DIODE	1	
D6001		MA204WK	DIODE	1	
D6003-05		1SS254	DIODE	3	
D6007		MA204WA	DIODE	1	
D6009-14		1SS254	DIODE	6	
D6016		1SS254	DIODE	1	
D6017		MA4100M	DIODE	1	
D6019		MA204WA	DIODE	1	
D6021		MA206	DIODE	1	
D6024		MA4051L	DIODE	1	
D6025		AK04	DIODE	1	
D6026		1SS254	DIODE	1	
D6027		MA4075M	DIODE	1	
D6029		MA204WK	DIODE	1	
D6032		1SS254	DIODE	1	
D6033		MA723	DIODE	1	
D7601		MA151A	DIODE	1	
D7602		MA3082-M	DIODE	1	
D7951		MA3100L	DIODE	1	
D7952		MA151K	DIODE	1	
DL801		EFDUN124A13N	DELAY	1	
DL802		EFDBR124A53T	DELAY	1	
FL301		VLF0727	FILTER	1	
FL801		ELB4H060	FILTER	1	
FL4502		VLF0406	FILTER	1	
FL4503		VLF0697	FILTER	1	
FL7951		VLF0702	FILTER	1	
IC301		MSM6965-3RS	IC	1	
IC302		VEFH14D	IC	1	
IC701		M51366SP	IC	1	
IC3001		AN3396	IC	1	
IC3602		BA7004	IC	1	
IC3901		M51292FP	IC	1	
IC4001		BA7766AS	IC	1	
IC4101		RC4560DD	IC	1	
IC4102		AN3912	IC	1	
IC4501		BA7705K1	IC	1	
IC4502		UPC78L05J	IC	1	
IC4901		M51293FP	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC4902		UPC78L06T	IC	1	
IC6001		MN188166VDU	IC	1	
IC6002		MN1280R	IC	1	
IC6003		MC14011BCP	IC	1	
IC6004		LM339N	IC	1	
IC6005		AN6609N	IC	1	
IC6006		LM393P	IC	1	
IC6007		MC14519BCP	IC	1	
IC7651		AN5421	IC	1	
IC7652		AN5043	IC	1	
IC7653		MN4066BS	IC	1	
IC7951		M51366SP	IC	1	
J3901		VJS1469	JACK PIN	1	
L301-04		ELESP101KA	COIL H	4	
L305		ELESP560KA	COIL 56H	1	
L306		ELESP680KA	COIL 68UH	1	
L701		ELESP680KA	COIL 68UH	1	
L713,14		VLQ0305J1R2	COIL 1.2UH	2	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP150KA	COIL 15UH	1	
L720		ELESP680KA	COIL 68UH	1	
L801		ELESP560JA	COIL H	1	
L802		ELESP270KA	COIL H	1	
L803		ELESP101KA	COIL H	1	
L804-06		ELESP150KA	COIL 15UH	3	
L810-12		ELESP101KA	COIL H	3	
L3001,02		ELESP101KA	COIL H	2	
L3003		ELESP120KA	COIL 12UH	1	
L3005		ELESP101KA	COIL H	1	
L3006		ELESP6R8JA	COIL H	1	
L3007		VLQEL05F270J	COIL 27UH	1	
L3008		VLQEL05F151K	COIL 150UH	1	
L3009,10		ELESP101KA	COIL H	2	
L3013		ELESP820KA	COIL H	1	
L3020		ELESP5R6KA	COIL H	1	
L3611,12		VLQEL05F101K	COIL 100UH	2	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L4102		ELESP1R0KA	COIL 1UH	1	
L4104		ELESP101KA	COIL H	1	
L4501,02		ELESP101KA	COIL H	2	
L4503		VLQ0422	COIL H	1	
L7952		ELESP680KA	COIL 68UH	1	
L7953		VLQ0305JR82T	COIL 0.82UH	1	
L7955		ELESP680KA	COIL 68UH	1	
L7957		ELESP680KA	COIL 68UH	1	
P1001		VJS2571A014	CONNECTOR	1	
P2001		VJP1242T	CONNECTOR(MALE) 2P	1	
P2002		VJP1141	CONNECTOR(MALE) 2P	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P4001		VJP1231T	CONNECTOR(MALE) 4P	1	
P4002		VJP1236T	CONNECTOR(MALE) 9P	1	
P4003		VJP1234T	CONNECTOR(MALE) 7P	1	
P4004		VJP1229T	CONNECTOR(MALE) 2P	1	
P4901		VJP1244T	CONNECTOR(MALE) 4P	1	
P6001		VJS2185	CONNECTOR	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6003		VJP1239T	CONNECTOR(MALE) 12P	1	
P7401		VJS2571A013	CONNECTOR (FEMALE)	1	
P7402		VJS2571A012	CONNECTOR (FEMALE)	1	
P7403		VJS2571A011	CONNECTOR (FEMALE)	1	
P7404		VJS2571A008	CONNECTOR (FEMALE)	1	
P7951		VJP1394T	CONNECTOR(MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
PK701		VJR0231	PACK PIN	1	
PK702,03		VJR0406	PACK PIN	2	
PK704		VJR0231	PACK PIN	1	
PK4501		VJR0477	PACK PIN	1	
PK4502,03		VJR0290	PACK PIN	2	
PK4901-04		VJR0164	PACK PIN	4	
PK7952,53		VJR0189	PACK PIN	2	
Q301		MSC2295	TRANSISTOR	1	
Q302		MSD601	TRANSISTOR	1	
Q703		2SD601	TRANSISTOR	1	(S,T)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR CHIP	1	(S,T)
Q771		2SD601	TRANSISTOR	1	(S,T)
Q772		2SD601	TRANSISTOR CHIP	1	(S,T)
Q801		MSC2295	TRANSISTOR	1	
Q802		MSD601	TRANSISTOR	1	
Q803,04		MSD601	TRANSISTOR	2	
Q805		MSD601	TRANSISTOR	1	
Q1001		2SC4024LF	TRANSISTOR	1	
Q1002		MSD601	TRANSISTOR	1	
Q1003		2SD601A	TRANSISTOR	1	
Q1005		2SD1992	TRANSISTOR	1	
Q3001		2SA1309	TRANSISTOR	1	
Q3002		2SC3311	TRANSISTOR	1	
Q3003-05		MSC2295	TRANSISTOR	3	
Q3006		2SC3311	TRANSISTOR	1	
Q3007		MSD601	TRANSISTOR	1	
Q3011		MSB709	TRANSISTOR	1	
Q3610		2SD601	TRANSISTOR CHIP	1	
Q4001		2SD1992A	TRANSISTOR	1	(R)
Q4103		2SD1328	TRANSISTOR CHIP	1	
Q4501		MSD601	TRANSISTOR	1	
Q4502,03		2SD1757	TRANSISTOR	2	
Q4504		MSB709	TRANSISTOR	1	
Q4901		2SB644	TRANSISTOR	1	
Q6002-04		2SA1512	TRANSISTOR	3	(R,S)
Q6006		2SD893	TRANSISTOR	1	
Q6007		2SD592	TRANSISTOR	1	
Q6008		2SC3311	TRANSISTOR	1	
Q6011		2SD1856	TRANSISTOR	1	
Q6012		2SC3311	TRANSISTOR	1	
Q6013		MSD601	TRANSISTOR	1	
Q6014		MSD601	TRANSISTOR	1	
Q6015		MSD601	TRANSISTOR	1	
Q6020		MSD601	TRANSISTOR	1	
Q7951		2SC1047	TRANSISTOR	1	
Q7952		2SB709	TRANSISTOR	1	(S,T)
Q7953		2SC2404	TRANSISTOR CHIP	1	(C,D)
Q7954		2SC1317	TRANSISTOR	1	
Q7955		2SB709	TRANSISTOR	1	(S,T)
QR301,02		MRN1403	TRANSISTOR-RESISTOR	2	
QR304		MRN1403	TRANSISTOR-RESISTOR	1	
QR305		MRN1403	TRANSISTOR-RESISTOR	1	
QR701,02		UN2213	TRANSISTOR-RESISTOR	2	
QR713		UN2211	TRANSISTOR-RESISTOR	1	
QR805		MRN1403	TRANSISTOR-RESISTOR	1	
QR806		MRN1403	TRANSISTOR-RESISTOR	1	
QR807		MRN1404	TRANSISTOR-RESISTOR	1	
QR1001		MRN1402	TRANSISTOR-RESISTOR	1	
QR1002		MRN1404	TRANSISTOR-RESISTOR	1	
QR1003		MRN2403	TRANSISTOR-RESISTOR	1	
QR1004		MRN2404	TRANSISTOR-RESISTOR	1	
QR2001		MRN1402	TRANSISTOR-RESISTOR	1	
QR3001		MRN1403	TRANSISTOR-RESISTOR	1	
QR3002		MRN1407	TRANSISTOR-RESISTOR	1	
QR3003		MRN2402	TRANSISTOR-RESISTOR	1	
QR3004		MRN1404	TRANSISTOR-RESISTOR	1	
QR3005		MRN2402	TRANSISTOR-RESISTOR	1	
QR3006,07		DTC363EK	COMBI.TR-R	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR3008		MRN1403	TRANSISTOR-RESISTOR	1	
QR3010		MRN1404	TRANSISTOR-RESISTOR	1	
QR3012		DTC363EK	COMBI.TR-R	1	
QR3013		MRN1404	TRANSISTOR-RESISTOR	1	
QR3015,16		MRN1403	TRANSISTOR-RESISTOR	2	
QR3901		MRN1404	TRANSISTOR-RESISTOR	1	
QR3902		MRN2404	TRANSISTOR-RESISTOR	1	
QR4001		MRN1404	TRANSISTOR-RESISTOR	1	
QR4101		MRN1404	TRANSISTOR-RESISTOR	1	
QR4102		MRN2404	TRANSISTOR-RESISTOR	1	
QR4103,04		MRN2403	TRANSISTOR-RESISTOR	2	
QR4105		MRN1404	TRANSISTOR-RESISTOR	1	
QR4110		MRN1404	TRANSISTOR-RESISTOR	1	
QR4501,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6003		MRN1404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6005		MRN1402	TRANSISTOR-RESISTOR	1	
QR6006		MRN1402	TRANSISTOR-RESISTOR	1	
QR6007,08		MRN1402	TRANSISTOR-RESISTOR	2	
QR6009		MRN1402	TRANSISTOR-RESISTOR	1	
QR6010		MRN1404	TRANSISTOR-RESISTOR	1	
QR6011		MRN1402	TRANSISTOR-RESISTOR	1	
QR6013		MRN2402	TRANSISTOR-RESISTOR	1	
QR6014		MRN2404	TRANSISTOR-RESISTOR	1	
QR6015-17		MRN1404	TRANSISTOR-RESISTOR	3	
QR6018		MRN2404	TRANSISTOR-RESISTOR	1	
QR6019		MRN1404	TRANSISTOR-RESISTOR	1	
QR6020		MRN1404	TRANSISTOR-RESISTOR	1	
QR6021		MRN2404	TRANSISTOR-RESISTOR	1	
QR6022		MRN2402	TRANSISTOR-RESISTOR	1	
QR6024		MRN2404	TRANSISTOR-RESISTOR	1	
QR6025		MRN1403	TRANSISTOR-RESISTOR	1	
QR6027		MRN1404	TRANSISTOR-RESISTOR	1	
QR7601		UN2213	TRANSISTOR-RESISTOR	1	
QR7952		UN2217	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R303		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R304		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R305		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R306		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R307		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R308		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R309-11		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R313		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R314		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R315		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R316		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R321		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R716		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R720		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R721		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R751		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R756		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R757,58		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R801		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R802		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R803		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R804		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R806		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R807,08		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	2	
R809,10		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R811		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R812		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R817		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R819		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R832		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R834		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R835		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R836		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R837		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R838		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R840		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R841		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R843-45		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	3	
R846		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R847		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R848		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R849		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R1003		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R1004		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1006		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R1007		ERJ6GMYG912	M.RESISTOR CH 1/10W 9.1K	1	
R1008		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1009		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R1010		ERJ6GMYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1011		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R1012		ERG2ANJ681U	M.RESISTOR 2W 680	1	
R1013		ERG2ANJ821U	M.RESISTOR 2W 820	1	
R1014		ERX1SJ1R2	M.RESISTOR 1W 1.2	1	
R1015		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R1016		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R2001		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R2002		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2005		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2006		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2007		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2010		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3001		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3002		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R3003		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3006		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3007,08		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	2	
R3009		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R3010		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3011		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3012		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3014		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3015		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3017		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3019		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R3020		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3021		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R3022		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3023		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3024		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3025,26		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3027		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3028		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3030		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3031		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3034		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3037		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R3041		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3042		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3043		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3047		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3048		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3049		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3053		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3054		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3055		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3057		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3061		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3062		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3063		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3634,35		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R3636		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3901,02		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3908		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3909,10		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3911,12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3915		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3919,20		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R3922		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3923		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3924		ERD2FCVG220	C.RESISTOR 2W 22	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4003		ERJ6GMYJ203	M.RESISTOR CH1/10W 20K	1	
R4004,05		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4007		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4008		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4009		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4010		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4015		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4019		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4020		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R4021		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4022		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4029		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4030		ERJ6GMYJ512	M.RESISTOR CH1/10W 5.1K	1	
R4031		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4035		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R4049		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R4101		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4104		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4105,06		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4107		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4108		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4109		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4110		EROS2CKG1003	M.RESISTOR 1/4W 100K	1	
R4111		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4112		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4113,14		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	2	
R4115		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R4116		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4117		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4118		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R4119		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4501		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4502		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4503		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4504		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4505		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4506		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4507		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4508		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4511		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4512		VRE0034E912	M.RESISTOR CH 1/10W 9.1K	1	
R4513		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R4514		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4515		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4516		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4517		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4520		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R4521		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4522		ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R4523		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4525,26		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	2	
R4527		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R4528		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4529		ERJ6GMYG163	M.RESISTOR CH1/10W 16K	1	
R4530		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4533		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4534		VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R4535		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4536		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4539		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4540		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R4541		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R4542		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R4551		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4552		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4553		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4554		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4555		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4556		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4557		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4558		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4561		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4562		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4563		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4564		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4565		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4566		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4567		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R4573		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4574		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4576		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4577		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4578		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4902,03		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4906,07		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R4910,11		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4912,13		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R4914,15		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R4924		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4925		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4926		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4927		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4928		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4929		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R4930		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4931		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4932		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4933		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4934		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4935		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4936		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4937		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4938		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4939		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4940		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4941		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4942		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R4943-46		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6001		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6002		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6005		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6006,07		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	2	
R6008		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6009		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6010,11		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R6016		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R6017		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6018		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6019		ERJ6GMYJ121	M.RESISTOR CH1/10W 120	1	
R6020		ERG2SJ180	M.RESISTOR 2W 18	1	
R6021		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6023		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6029		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6030		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6031		ERJ6GMYG432	M.RESISTOR CH1/10W 4.3K	1	
R6032		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6033		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6034		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6035		ERSF30JR90U	M.RESISTOR 0.9	1	
R6036		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6038		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6039,40		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	2	
R6041		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6042		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6043,44		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	2	
R6045,46		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6047		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6048-50		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R6051,52		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6054		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6055		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6056		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6057		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6058		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6059		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6060		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6061		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6062,63		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6064-66		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	3	
R6067		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6068		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6069		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6071		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6072		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6073-75		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	3	
R6076		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6077,78		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	2	
R6079		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6080		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6081,82		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R6083		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6084		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6085		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6087		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6088		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6089		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6090		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6091		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6092		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R6093		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6094-98		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	5	
R6099,00		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R6101		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R6102		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6103		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6104		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6105,06		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	2	
R6107,08		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	2	
R6109		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R6110		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6111		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6112		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6113		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6114		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6115		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6119-22		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	4	
R6123		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R7651		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7654		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7655		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7656		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R7657		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7658		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7659		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7661		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7662		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7664		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7671,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7673		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7674		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7675		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7677		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7678		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7679		ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R7680		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7681,82		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7683		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7684		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7691		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7692		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7694		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7695		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7696		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7951		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7956		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R7957		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7958		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7959		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7960		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R7961		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7962		ERD2FCG330	C.RESISTOR 2W 33	1	
R7963		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7964		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7965		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7966		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R7967		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7968		VREO040E471T	V.RESISTOR 470	1	
R7969		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7971		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7972		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7973		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7974		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7975,76		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7978		ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R7979		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R7980		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
SW3901		VSS0236	SWITCH	1	
T703		EIV5EC005A	TRANSFORMER	1	
T704		EIV5EC007A	TRANSFORMER	1	
T711		EIS5EC008A	TRANSFORMER	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
T7951		EIV5EC005A	TRANSFORMER	1	
VR301		EVTF6SA00B23	V.RESISTOR 2K	1	
VR701		EVNDRAA00B23	V.RESISTOR 2K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR801,02		EVTF6SA00B13	V.RESISTOR 1K	2	
VR2001		EVNDXAA00B54	V.RESISTOR 50K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2006		EVNDXAA00B15	V.RESISTOR 100K	1	
VR2009,10		EVN4LCA00B25	V.RESISTOR 200K	2	
VR2011		EVNDXAA00B15	V.RESISTOR 100K	1	
VR2013		EVNDXAA00B23	V.RESISTOR 2K	1	
VR2018,19		EVNDXAA00B15	V.RESISTOR 100K	2	
VR3012,13		EVNDXAA00B52	V.RESISTOR 500	2	
VR3020		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4001		EVNDXAA00B14	V.RESISTOR 10K	1	
VR4002		EVNDXAA00B25	V.RESISTOR 200K	1	
VR4004		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4501		EVMFNGA00B14	V.RESISTOR 10K	1	
VR4502		EVMF8GA00B24	V.RESISTOR 20K	1	
VR4503		EVNDXAA00B23	V.RESISTOR 2K	1	
VR4507		EVN3ACA00B24	V.RESISTOR 20K	1	
VR4509		EVMFNGA00BS3	V.RESISTOR	1	
VR4510		EVTF6SA00B25	V.RESISTOR 200K	1	
VR4512		EVND1AA00B22	V.RESISTOR 200	1	
VR7660		EVM4LGA00B23	V.RESISTOR 2K	1	
X710		EFCH39MGP1	CRYSTAL OSCILLATOR	1	
X711		EFCS6R0MW5	CRYSTAL OSCILLATOR	1	
X712		EFCS6R0MS5	CRYSTAL OSCILLATOR	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3601		VSX0099	CRYSTAL OSCILLATOR	1	
X6001		VSX0306	CRYSTAL OSCILLATOR	1	
X6002		VSQ0565	CRYSTAL OSCILLATOR	1	
X7951		EFCH39MQS1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC1068	HEAT SINK	1	
		VSC1323	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17972B	RF CONVERTER	1	<!>
		VJH0580	RF CONVERTER JACK PLATE	1	
		VJF0858	CLIP	1	
		VJP2629	CONNECTOR (12P)	3	MAIN TO SERVO
		VJP2630	CONNECTOR (14P)	1	MAIN TO SERVO
		VJR0406	PACK PIN (5P)	1	FOR TEST SIG PACK
		VEJ1070	REAR JACK	1	FOR I/O PACK
		VGU3501	SW KNOB	1	FOR I/O PACK
		ENV87837H3A	TUNER	1	<!>
		VSC2713	SHIELD (MAIN)	1	FOR TV DEMODU PACK
		VSC2712	SHIELD (TOP)	1	FOR TV DEMODU PACK
		VSC2714	SHIELD (BOTTOM)	1	FOR TV DEMODU PACK
		VJR0163	PACK PIN (9P)	1	FOR LUMI & CHRO PAC
		VJR0130	PACK PIN (12P)	1	FOR LUMI & CHRO PAC
		VJR0160	PACK PIN (6P)	1	FOR LUMI & CHRO PAC
	■	VEP03822B	MAIN C.B.A.		<!> (NLA) NV-F75EB
BP6010,11		VJP1258	CONNECTOR (MALE)	2	
			CAPACITORS		
C301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C302		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C304,05		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C306		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C307,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C309		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C310		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C311		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C312		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C313		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C314		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C315		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C316		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C317		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C318		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C319		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C320		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C324		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C325		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUM1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C801		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C802		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C803		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C804,05		ECEA0JK101	E.CAPACITOR 6.3V 100U	2	
C806		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C807		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C808		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C818		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C828		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C829		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C831		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C832		ECUM1E123KBN	C.CAPACITOR CH 25V 0.012U	1	
C833		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C835		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C836,37		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C838		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C844		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C845		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1001		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C1002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C1003		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C1004		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C1005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1007,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1009		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C1010		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C1011		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C1012		ECEA1HU470	E.CAPACITOR 50V 47U	1	
C1014,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2006		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3005		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C3006		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3007		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3008		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3009		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3016		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3017		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3018		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C3019		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3020		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3021		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C3022		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3023		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3024		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3026		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3028		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3029		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3030		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3032		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3034		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3040		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3042		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3048		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3049		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3050		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3051		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3054		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C3635-37		ECEA1CK100	E.CAPACITOR 16V 10U	3	
C3638,39		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3915		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3916-19		ECEA1CK220	E.CAPACITOR 16V 22U	4	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121J	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4011		ECQB1H273JZ	P.CAPACITOR 50V 0.027U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4014		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M22	E.CAPACITOR 10V 22U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4019		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4023		ECUM1H221JN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C4027		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4029		ECQB1H123JZ	F.CAPACITOR 50V 0.012U	1	
C4101		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4103		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4104		ECEA1APK101	E.CAPACITOR 10V 100U	1	
C4106		ECEA1APK470	E.CAPACITOR 10V 47U	1	
C4107		ECEA1HPK010	E.CAPACITOR 50V 1U	1	
C4108		ECEA1CK101	E.CAPACITOR 16V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4110,11		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C4112		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C4114,15		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C4116		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4118		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4119		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4121		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C4122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4123		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	1	
C4124		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4125		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4126		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4127-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C4132-34		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4139		ECQV1H393JZ	P.CAPACITOR 50V 0.039U	1	
C4140		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C4501		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4502		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4503		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4504		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4505		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4506		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4507		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4508		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4509		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4510		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4511		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4512		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4513,14		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4515		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4517		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4518,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4520		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4521		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4522		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4525		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4526		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4527		VCEA1AAE101	E.CAPACITOR 10V 100U	1	
C4528		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C4529		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4530		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4531		ECEA1EK3R3	E.CAPACITOR 25V 3.3U	1	
C4532		ECEA1CPZ471	E.CAPACITOR 16V 470U	1	
C4533		ECEA1CPZ221	E.CAPACITOR 16V 220U	1	
C4534		VCEA1AAH101	E.CAPACITOR 10V 100U	1	
C4535		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4537		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4538		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4539		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4540-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C4543		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4544		ECQB1H222JZ	P.CAPACITOR 50V 2200P	1	
C4545		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C4551		ECEA1HBZ4R7	E.CAPACITOR 50V 4.7U	1	
C4552		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4553		ECQB1H102JA	P.CAPACITOR 50V 1000P	1	
C4554		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4555		ECQB1H682JA	P.CAPACITOR 50V 6800P	1	
C4556		VCEA1EAE100	E.CAPACITOR 25V 10U	1	
C4557		ECQB1H223JA	P.CAPACITOR 50V 0.022U	1	
C4558		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C4559		VCEA1CAH470	E.CAPACITOR 16V 47U	1	
C4560		ECQB1H103JA	P.CAPACITOR 50V 0.01U	1	
C4561		ECQB1H332JA	P.CAPACITOR 50V 3300P	1	
C4562		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4563,64		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C4565		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4567		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4568,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4570		VCEA1CAH100	E.CAPACITOR 16V 10U	1	
C4572		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	1	
C4574,75		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C4576		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4903,04		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4905,06		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C4911,12		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4918		VCEA1HAC3R3	E.CAPACITOR 50V 3.3U	1	
C4920,21		VCEA1CAD100	E.CAPACITOR 16V 10U	2	
C4922		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4923		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C4924-26		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C4927		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4928		VCEA1CAC101	E.CAPACITOR 16V 100U	1	
C4929		VCEA1AAC101	E.CAPACITOR 10V 100U	1	
C4930,31		VCEA1HAC010	E.CAPACITOR 50V 1U	2	
C4932,33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4934		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6001		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6002		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6003		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6004		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6005		ECUM1H151KBN	C.CAPACITOR CH 50V 150P	1	
C6006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C6007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6008		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C6010,11		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C6012		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C6013,14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6015		ECUM1H102ZFN	C.CAPACITOR CH 50V 1000P	1	
C6016		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6017		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6018,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6020-23		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	4	
C6024-28		ECUM1H221KBN	C.CAPACITOR CH 50V 220P	5	
C6029		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C6030		ECEA1CU222	E.CAPACITOR 16V 2200U	1	
C6033		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6034		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6037,38		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6039		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C6043,44		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C6045,46		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7801		ECQB1H102JZ	F.CAPACITOR 50V 1000P	1	
C7802		ECQB1H471JZ	F.CAPACITOR 50V 470P	1	
C7803		ECQB1H472JZ	F.CAPACITOR 50V 4700P	1	
C7804		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C7806		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C7815		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C7851		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C7853,54		ECCF1H330JC	C.CAPACITOR 50V 33P	2	
C7855,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C7951		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C7953		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7954		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C7955-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C7961		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C7962		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7963		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7964		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C7965		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C7966		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7967		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7968,69		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C7970		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7971		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7972		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7973,74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7975		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7976,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7978		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D301		MA4091	DIODE	1	
D303		1SS254	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D803		1SS254	DIODE	1	
D1001		MA723	DIODE	1	
D1003,04		MA723	DIODE	2	
D1005		1SS254	DIODE	1	
D1008		1SS254	DIODE	1	
D1010,11		1SS254	DIODE	2	
D3006		MA723	DIODE	1	
D3009,10		1SS254	DIODE	2	
D3011		MA27W	DIODE	1	
D3012		1SS254	DIODE	1	
D3608		MA165	DIODE	1	
D3901,02		1SS254	DIODE	2	
D4003		1SS254	DIODE	1	
D4101		1SS254	DIODE	1	
D4901		MA4068-L	DIODE	1	
D6001		MA204WK	DIODE	1	
D6003-05		1SS254	DIODE	3	
D6007		MA204WA	DIODE	1	
D6009-14		1SS254	DIODE	6	
D6016		1SS254	DIODE	1	
D6017		MA4100M	DIODE	1	
D6019		MA204WA	DIODE	1	
D6021		MA206	DIODE	1	
D6024		MA4051L	DIODE	1	
D6025		AK04	DIODE	1	
D6026		1SS254	DIODE	1	
D6027		MA4075M	DIODE	1	
D6029		MA204WK	DIODE	1	
D6032		1SS254	DIODE	1	
D6033		MA723	DIODE	1	
D7672,73		MA3150H	DIODE	2	
D7851		MA165	DIODE	1	
D7951		MA3100L	DIODE	1	
D7952		MA151K	DIODE	1	
DL801		EFDUN124A13N	DELAY	1	
DL802		EFDBR124A53T	DELAY	1	
FL301		VLF0727	FILTER	1	
FL801		ELB4H060	FILTER	1	
FL3601		VLF0413	FILTER	1	
FL4502		VLF0406	FILTER	1	
FL4503		VLF0697	FILTER	1	
FL7951		VLF0703	FILTER	1	
IC301		MSM6965-3RS	IC	1	
IC302		VEFH14D	IC	1	
IC701		M51366SP	IC	1	
IC3001		AN3396	IC	1	
IC3602		BA7004	IC	1	
IC3901		M51292FP	IC	1	
IC4001		BA7766AS	IC	1	
IC4101		RC4560DD	IC	1	
IC4102		AN3912	IC	1	
IC4501		BA7705K1	IC	1	
IC4502		UPC78L05J	IC	1	
IC4901		M51293FP	IC	1	
IC4902		UPC78L06T	IC	1	
IC6001		MN188166VDU	IC	1	
IC6002		MN1280R	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6003		MC14011BCP	IC	1	
IC6004		LM339N	IC	1	
IC6005		AN6609N	IC	1	
IC6006		LM393P	IC	1	
IC6007		MC14519BCP	IC	1	
IC7801		SAA4700	IC	1	
IC7851		MN158413VSSY	IC	1	
IC7852		MN1280S	IC	1	
IC7951		M51366SP	IC	1	
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
J3901		VJS1469	PACK PIN	1	
L301-04		ELESP101KA	COIL H	4	
L305		ELESP560KA	COIL 56H	1	
L306		ELESP680KA	COIL 68UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L801		ELESP560JA	COIL H	1	
L802		ELESP270KA	COIL H	1	
L803		ELESP101KA	COIL H	1	
L804-06		ELESP150KA	COIL 15UH	3	
L810-12		ELESP101KA	COIL H	3	
L3001,02		ELESP101KA	COIL H	2	
L3003		ELESP120KA	COIL 12UH	1	
L3005		ELESP101KA	COIL H	1	
L3006		ELESP6R8JA	COIL H	1	
L3007		VLQEL05F270J	COIL 27UH	1	
L3008		VLQEL05F151K	COIL 150UH	1	
L3009,10		ELESP101KA	COIL H	2	
L3013		ELESP820KA	COIL H	1	
L3020		ELESP5R6KA	COIL H	1	
L3611,12		VLQEL05F101K	COIL 100UH	2	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L4102		ELESP1R0KA	COIL 1UH	1	
L4104-06		ELESP101KA	COIL H	3	
L4501,02		ELESP101KA	COIL H	2	
L4503		VLQ0422	COIL H	1	
L7952		ELESP680KA	COIL 68UH	1	
L7954		VLQ0305JR56T	COIL 0.56UH	1	
L7955		ELESP680KA	COIL 68UH	1	
L7957		ELESP680KA	COIL 68UH	1	
P1001		VJS2571A014	CONNECTOR	1	
P2001		VJP1242T	CONNECTOR(MALE) 2P	1	
P2002		VJP1141	CONNECTOR(MALE) 2P	1	
P3001		VJP1237T	CONNECTOR(MALE) 10P	1	
P4001		VJP1231T	CONNECTOR(MALE) 4P	1	
P4002		VJP1236T	CONNECTOR(MALE) 9P	1	
P4003		VJP1234T	CONNECTOR(MALE) 7P	1	
P4004		VJP1229T	CONNECTOR(MALE) 2P	1	
P4901		VJP1244T	CONNECTOR(MALE) 4P	1	
P6001		VJS2185	CONNECTOR	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6003		VJP1239T	CONNECTOR(MALE) 12P	1	
P7401		VJS2571A013	CONNECTOR (FEMALE)	1	
P7402		VJS2571A012	CONNECTOR (FEMALE)	1	
P7403		VJS2571A011	CONNECTOR (FEMALE)	1	
P7404		VJS2571A008	CONNECTOR (FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7951		VJP1394T	CONNECTOR(MALE)	1	
PK1		VJR0189	PACK PIN	1	
PK4501		VJR0477	PACK PIN	1	
PK4502,03		VJR0290	PACK PIN	2	
PK4901-04		VJR0164	PACK PIN	4	
PK7952,53		VJR0189	PACK PIN	2	
Q301		MSC2295	TRANSISTOR	1	
Q302		MSD601	TRANSISTOR	1	
Q703		2SD601	TRANSISTOR	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR	1	(S)
Q771		2SD601	TRANSISTOR CHIP	1	(S,T)
Q801		MSC2295	TRANSISTOR	1	
Q802		MSD601	TRANSISTOR	1	
Q803,04		MSD601	TRANSISTOR	2	
Q805		MSD601	TRANSISTOR	1	
Q1001		2SC4024LF	TRANSISTOR	1	
Q1002		MSD601	TRANSISTOR	1	
Q1003		2SD601A	TRANSISTOR	1	
Q1004		2SD1996	TRANSISTOR	1	
Q1005		2SD1992	TRANSISTOR	1	
Q3001		2SA1309	TRANSISTOR	1	
Q3002		2SC3311	TRANSISTOR	1	
Q3003-05		MSC2295	TRANSISTOR	3	
Q3006		2SC3311	TRANSISTOR	1	
Q3007		MSD601	TRANSISTOR	1	
Q3011		MSB709	TRANSISTOR	1	
Q3610		2SD601	TRANSISTOR CHIP	1	
Q4001		2SD1992A	TRANSISTOR	1	(R)
Q4103		2SD1328	TRANSISTOR CHIP	1	
Q4501		MSD601	TRANSISTOR	1	
Q4502,03		2SD1757	TRANSISTOR	2	
Q4504		MSB709	TRANSISTOR	1	
Q6002-04		2SA1512	TRANSISTOR	3	(R,S)
Q6006		2SD893	TRANSISTOR	1	
Q6007		2SD592	TRANSISTOR	1	
Q6008		2SC3311	TRANSISTOR	1	
Q6011		2SD1856	TRANSISTOR	1	
Q6012		2SC3311	TRANSISTOR	1	
Q6013		MSD601	TRANSISTOR	1	
Q6014		MSD601	TRANSISTOR	1	
Q6015		MSD601	TRANSISTOR	1	
Q6020		MSD601	TRANSISTOR	1	
Q7951		2SC1047	TRANSISTOR	1	
Q7952		2SB709	TRANSISTOR	1	(S,T)
Q7953		2SC2404	TRANSISTOR CHIP	1	(C,D)
Q7954		2SC1317	TRANSISTOR	1	
Q7955		2SB709	TRANSISTOR	1	(S,T)
QR301,02		MRN1403	TRANSISTOR-RESISTOR	2	
QR304		MRN1403	TRANSISTOR-RESISTOR	1	
QR305		MRN1403	TRANSISTOR-RESISTOR	1	
QR701		MRN1404	TRANSISTOR-RESISTOR	1	
QR702		MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR714		MRN1402	TRANSISTOR-RESISTOR	1	
QR805		MRN1403	TRANSISTOR-RESISTOR	1	
QR806		MRN1403	TRANSISTOR-RESISTOR	1	
QR807		MRN1404	TRANSISTOR-RESISTOR	1	
QR1001		MRN1402	TRANSISTOR-RESISTOR	1	
QR1002		MRN1404	TRANSISTOR-RESISTOR	1	
QR1003		MRN2403	TRANSISTOR-RESISTOR	1	
QR1004		MRN2404	TRANSISTOR-RESISTOR	1	
QR1006		MRN1402	TRANSISTOR-RESISTOR	1	
QR2001		MRN1402	TRANSISTOR-RESISTOR	1	
QR3001		MRN1403	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR3002		MRN1407	TRANSISTOR-RESISTOR	1	
QR3003		MRN2402	TRANSISTOR-RESISTOR	1	
QR3004		MRN1404	TRANSISTOR-RESISTOR	1	
QR3005		MRN2402	TRANSISTOR-RESISTOR	1	
QR3006,07		DTC363EK	COMBI.TR-R	2	
QR3008		MRN1403	TRANSISTOR-RESISTOR	1	
QR3010		MRN1404	TRANSISTOR-RESISTOR	1	
QR3012		DTC363EK	COMBI.TR-R	1	
QR3013		MRN1404	TRANSISTOR-RESISTOR	1	
QR3015,16		MRN1403	TRANSISTOR-RESISTOR	2	
QR3901		MRN1404	TRANSISTOR-RESISTOR	1	
QR3902		MRN2404	TRANSISTOR-RESISTOR	1	
QR4001		MRN1404	TRANSISTOR-RESISTOR	1	
QR4101		MRN1404	TRANSISTOR-RESISTOR	1	
QR4102		MRN2404	TRANSISTOR-RESISTOR	1	
QR4103,04		MRN2403	TRANSISTOR-RESISTOR	2	
QR4105		MRN1404	TRANSISTOR-RESISTOR	1	
QR4501,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6003		MRN1404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6005		MRN1402	TRANSISTOR-RESISTOR	1	
QR6006		MRN1402	TRANSISTOR-RESISTOR	1	
QR6007,08		MRN1402	TRANSISTOR-RESISTOR	2	
QR6009		MRN1402	TRANSISTOR-RESISTOR	1	
QR6010		MRN1404	TRANSISTOR-RESISTOR	1	
QR6011		MRN1402	TRANSISTOR-RESISTOR	1	
QR6013		MRN2402	TRANSISTOR-RESISTOR	1	
QR6014		MRN2404	TRANSISTOR-RESISTOR	1	
QR6015-17		MRN1404	TRANSISTOR-RESISTOR	3	
QR6018		MRN2404	TRANSISTOR-RESISTOR	1	
QR6019		MRN1404	TRANSISTOR-RESISTOR	1	
QR6020		MRN1404	TRANSISTOR-RESISTOR	1	
QR6021		MRN2404	TRANSISTOR-RESISTOR	1	
QR6022		MRN2402	TRANSISTOR-RESISTOR	1	
QR6024		MRN2404	TRANSISTOR-RESISTOR	1	
QR6025		MRN1403	TRANSISTOR-RESISTOR	1	
QR6027		MRN1404	TRANSISTOR-RESISTOR	1	
QR7851		UN1211	TRANSISTOR-RESISTOR	1	
QR7852		UN1213	TRANSISTOR-RESISTOR	1	
QR7952		UN2217	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R302		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R303		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R304		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R305		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R306		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R307		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R308		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R309-11		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R313		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R314		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R315		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R316		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R321		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R801		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R802		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R803		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R804		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R806		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R807,08		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	2	
R809,10		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R811		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R812		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R817		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R819		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R832		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R834		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R835		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R836		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R837		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R838		ERJ6GMYJ393	M.RESISTOR CH1/10W 39K	1	
R840		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R841		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R843-45		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	3	
R846		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R847		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R848		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R849		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R1002		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R1003		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R1004		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1005		ERDS1TJ822	C.RESISTOR 1/2W 8.2K	1	
R1006		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R1007		ERJ6GMYG912	M.RESISTOR CH 1/10W 9.1K	1	
R1008		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R1009		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R1010		ERJ6GMYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1011		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R1012		ERG2ANJ681U	M.RESISTOR 2W 680	1	
R1013		ERG2ANJ821U	M.RESISTOR 2W 820	1	
R1014		ERX1SJ1R2	M.RESISTOR 1W 1.2	1	
R1015		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R1016		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R1017,18		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R2001		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R2002		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2005		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R2006		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2007		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2010		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3001		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3002		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R3003		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3006		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3007,08		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	2	
R3009		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R3010		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3011		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3012		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3014		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3015		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3017		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R3019		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R3020		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3021		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R3022		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3023		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3024		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3025,26		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R3027		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3028		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R3030		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3031		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3034		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3037		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R3041		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3042		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3043		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R3047		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R3048		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3049		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R3053		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R3054		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R3055		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3057		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R3061		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R3062		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R3063		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3634,35		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R3636		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3901,02		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3908		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3909,10		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	2	
R3911,12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3915		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3919,20		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R3922		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3923		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4003		ERJ6GMYJ203	M.RESISTOR CH1/10W 20K	1	
R4004,05		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4007		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4008		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4009		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4015		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4019		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4020		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R4021		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R4022		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R4029		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4030		ERJ6GMYJ512	M.RESISTOR CH1/10W 5.1K	1	
R4031		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4035		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R4101		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4104		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4105,06		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R4107		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4108		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4109		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4110		EROS2CKG1003	M.RESISTOR 1/4W 100K	1	
R4111		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4112		ERDS2TJ680	C.RESISTOR 1/4W 68	1	
R4113,14		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	2	
R4115		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R4116		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R4117		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R4118		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R4119		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R4501		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4502		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4503		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4504		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4505		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4506		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4507		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4508		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	
R4511		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4512		VRE0034E912	M.RESISTOR CH 1/10W 9.1K	1	
R4513		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R4514		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4515		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4516		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4517		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4520		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R4521		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4522		ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R4523		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4525,26		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	2	
R4527		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R4528		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4529		ERJ6GMYG163	M.RESISTOR CH1/10W 16K	1	
R4530		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4533		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R4534		VRE0034E152	M.RESISTOR CH 1/10W 1.5K	1	
R4535		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4536		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4539		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4540		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R4541		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R4542		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R4551		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4552		ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R4553		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R4554		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4555		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4556		ERJ6GMYG183	M.RESISTOR CH 1/10W 18K	1	
R4557		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4558		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R4561		ERJ6GMYG303	M.RESISTOR CH 1/10W 30K	1	
R4562		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4563		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4564		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R4565		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R4566		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R4567		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R4573		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R4574		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4576		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R4577		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4578		VRE0034E113	M.RESISTOR CH 1/10W 11K	1	
R4902,03		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4906,07		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R4910,11		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R4912,13		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R4914,15		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R4924		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4925		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4926		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4927		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4928		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4929		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R4930		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4931		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4932		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4933		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R4934		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4935		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4936		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R4937		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4938		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4939		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4940		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4941		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4942		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R4943-46		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6001		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6002		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6005		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6006,07		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	2	
R6008		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6009		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6010,11		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	2	
R6016		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R6017		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6018		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6019		ERJ6GMYJ121	M.RESISTOR CH1/10W 120	1	
R6020		ERG2SJ180	M.RESISTOR 2W 18	1	
R6021		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6023		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6029		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6030		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R6031		ERJ6GMYG432	M.RESISTOR CH1/10W 4.3K	1	
R6032		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R6033		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6034		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6035		ERSF30JR90U	M.RESISTOR 0.9	1	
R6036		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6038		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6039,40		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	2	
R6041		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6042		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6043,44		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	2	
R6045,46		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6047		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R6048-50		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	3	
R6051,52		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6054		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6055		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6056		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6057		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6058		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6059		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6060		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6061		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6062,63		ERJ6GMYJ564	M.RESISTOR CH1/10W 560K	2	
R6064-66		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	3	
R6067		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6068		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6069		ERJ6GMYK395	M.RESISTOR CH 1/10W 3.9M	1	
R6071		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6072		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6073-75		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	3	
R6076		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6077,78		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	2	
R6079		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6080		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6081,82		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R6083		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R6084		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6085		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6087		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6088		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6089		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6090		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6091		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R6092		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R6093		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6094-98		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	5	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6099,00		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	2	
R6101		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R6102		ERJ6GMYJ562	M.RESISTOR CH1/10W 5.6K	1	
R6103		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R6104		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6105,06		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	2	
R6107,08		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	2	
R6109		ERJ6GMYJ271	M.RESISTOR CH1/10W 270	1	
R6110		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6111		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6112		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6113		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R6114		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R6115		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6119-22		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	4	
R6123		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7801		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R7802		EROS2CKG7502	M.RESISTOR 1/4W 75K	1	
R7803,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R7805		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R7806		EROS2CKG3601	M.RESISTOR 1/4W 3.6K	1	
R7807		ERDS2TJ474	C.RESISTOR 1/4W 470K	1	
R7851		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7852		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7860		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R7951		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R7956		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R7957		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7958		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7959		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R7960		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R7961		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R7962		ERD2FCG330	C.RESISTOR 2W 33	1	
R7963		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7964		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7965		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R7966		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R7967		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R7968		VREO040E471T	V.RESISTOR 470	1	
R7969		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7971		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7972		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7973		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7974		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7975,76		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R7978		ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R7979		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R7980		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
SW3901		VSS0236	SWITCH	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
T7951		EIV5EC013A	TRANSFORMER	1	
VR301		EVTF6SA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4LCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR801,02		EVTF6SA00B13	V.RESISTOR 1K	2	
VR2001		EVNDXAA00B54	V.RESISTOR 50K	1	
VR2006		EVNDXAA00B15	V.RESISTOR 100K	1	
VR2009,10		EVND4AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDXAA00B15	V.RESISTOR 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2013		EVNDXAA00B23	V.RESISTOR 2K	1	
VR2018,19		EVNDXAA00B15	V.RESISTOR 100K	2	
VR3012,13		EVNDXAA00B52	V.RESISTOR 500	2	
VR3020		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4001		EVNDXAA00B14	V.RESISTOR 10K	1	
VR4002		EVNDXAA00B25	V.RESISTOR 200K	1	
VR4004		EVNDXAA00B53	V.RESISTOR 5K	1	
VR4501		EVMFNGA00B14	V.RESISTOR 10K	1	
VR4502		EVMF8GA00B24	V.RESISTOR 20K	1	
VR4503		EVNDXAA00B23	V.RESISTOR 2K	1	
VR4507		EVN3ACA00B24	V.RESISTOR 20K	1	
VR4509		EVMFNGA00BS3	V.RESISTOR	1	
VR4510		EVTF6SA00B25	V.RESISTOR 200K	1	
VR4512		EVND1AA00B22	V.RESISTOR 200	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		VLF0638	CRYSTAL OSCILLATOR	1	
X712		EFCS5R5MS5	CRYSTAL OSCILLATOR	1	
X715		ELB5A043	CRYSTAL OSCILLATOR	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	CRYSTAL OSCILLATOR	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3601		VSX0099	CRYSTAL OSCILLATOR	1	
X6001		VSX0306	CRYSTAL OSCILLATOR	1	
X6002		VSQ0565	CRYSTAL OSCILLATOR	1	
X7851		EFOA4R0M03C2	CRYSTAL OSCILLATOR	1	
X7951		EFCH38MQS1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC1068	HEAT SINK	1	
		VSC1323	HEAT SINK	1	
		VMA6768	EARTH ANGLE	1	
		ENC17974	RF CONVERTER	1	<!>
		VJH0510	RF CONVERTER JACK PLATE	1	
		VJF0858	CLIP	1	
		VJP2629	CONNECTOR (12P)	3	MAIN TO SERVO
		VJP2630	CONNECTOR (14P)	1	MAIN TO SERVO
		VJR0406	PACK PIN (5P)	1	FOR TEST SIG PACK
		VEJ1069	REAR JACK	1	FOR I/O PACK
		VGU3501	SW KNOB	1	FOR I/O PACK
		ENV57850H6	TUNER	1	<!>
		VSC2713	SHIELD (MAIN)	1	FOR TV DEMODU PACK
		VSC2712	SHIELD (TOP)	1	FOR TV DEMODU PACK
		VSC2714	SHIELD (BOTTOM)	1	FOR TV DEMODU PACK
		VJR0163	PACK PIN (9P)	1	FOR LUMI & CHRO PACK
		VJR0130	PACK PIN (12P)	1	FOR LUMI & CHRO PACK
		VJR0160	PACK PIN (6P)	1	FOR LUMI & CHRO PACK
	■	VEP02325P	SERVO C.B.A.		(NLA)
			CAPACITORS		
C201		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C202		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C203		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C204		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C205		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C206		ECEA0JKN220	E.CAPACITOR 6.3V 22U	1	
C207		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C208		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C209		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C210		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C211		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C212,13		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C2201		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2204		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2205		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2206		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2209		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2210		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C2211		ECQB1H472JZ	F.CAPACITOR 50V 4700P	1	
C2212		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2213		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2214		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2215		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2216		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2217		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2218		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2219		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2220		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2221		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2222		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2223		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2224		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2225		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2226		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2227,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2229		ECEA1AK330	E.CAPACITOR 10V 33U	1	
C2230		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2231		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	1	
C2232		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2233-35		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2236		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	1	
C2237-39		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2240		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2241		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2242		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C2243		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2244		ECSF1CE105	T.CAPACITOR 16V 1U	1	
C2245		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2246		ECEA10M47	E.CAPACITOR 10V 47U	1	
C2247		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2248,49		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	2	
C2250		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C2251		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2262		VCYD1C333MR1	S.CAPACITOR 16V 0.033U	1	
C2263		ECEA1HK3R3	E.CAPACITOR 50V 3.3U	1	
C2264		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2265		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2266		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2267,68		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C2269		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2270		ECUM1H104ZFM	C.CAPACITOR CH 50V 0.1U	1	
C2271		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D201-04		1SS254	DIODE	4	
D206,07		1SS254	DIODE	2	
D2201-04		1SS254	DIODE	4	
D2205		MA4056M	DIODE	1	
D2212		1SS254	DIODE	1	
D2216,17		1SS254	DIODE	2	
D2218		MA73	DIODE	1	
IC201		LM358P	IC	1	
IC202		RZ4066BD	IC	1	
IC203		LM393P	IC	1	
IC2201		AN3726K	IC	1	
IC2202		MN4013BS	IC	1	
IC2203		MN1280R	IC	1	
IC2204		UPD4052BG	IC	1	
IC2205		MN6742VCSK	IC	1	
IC2206		XRA6435S	IC	1	
L2201-03		ELESP101KA	COIL H	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L2204		VLQEL05F1R0J	COIL H	1	
P201		VJP1231T	CONNECTOR(MALE) 4P	1	
P201		VJS1231T	CONNECTOR (FEMALE)	1	
P2201		VJP1245T	CONNECTOR(MALE) 5P	1	
P2202		VJS2188	CONNECTOR	1	
P2203		VJP1148	CONNECTOR	1	
Q201		MSD601-R	TRANSISTOR	1	
Q2201		MSD601	TRANSISTOR	1	
Q2202		MSC2295	TRANSISTOR	1	
Q2203		2SD602	TRANSISTOR CHIP	1	
Q2204-09		MSD601	TRANSISTOR	6	
QR201		MRN1404	TRANSISTOR-RESISTOR	1	
QR202		MRN2404	TRANSISTOR-RESISTOR	1	
QR203-06		MRN1404	TRANSISTOR-RESISTOR	4	
QR207		MRN2404	TRANSISTOR-RESISTOR	1	
QR2201,02		UN2117	TRANSISTOR-RESISTOR	2	
QR2206-08		MRN1404	TRANSISTOR-RESISTOR	3	
QR2209		MRN1404	TRANSISTOR-RESISTOR	1	
QR2210		MRN1403	TRANSISTOR-RESISTOR	1	
QR2213		MRN2403	TRANSISTOR-RESISTOR	1	
QR2214		MRN1404	TRANSISTOR-RESISTOR	1	
QR2215		MRN2404	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R201		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R202		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R203		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R204		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R205		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R206		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R207,08		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	2	
R209		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R210		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R211		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R212		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R213		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R214		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R215		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R216		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R217		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R218		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R219		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R220		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R221		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R222		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R223		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R224-26		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R227		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R228		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R229		ERJ6GEYG823	M.RESISTOR CH 1/10W 82K	1	
R230,31		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R232,33		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	2	
R234		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R235		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R236		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2201		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R2202		ERJ6GMYJ154	M.RESISTOR CH1/10W 150K	1	
R2203		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R2204		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R2205		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R2206		ERJ6GMYJ123	M.RESISTOR CH1/10W 12K	1	
R2207		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R2208		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2209		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2210		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2211-13		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	3	
R2214		ERJ6GMYJ272	M.RESISTOR CH1/10W 2.7K	1	
R2215,16		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	2	
R2217		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R2218		ERJ6GMYJ224	M.RESISTOR CH1/10W 220K	1	
R2219		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2220		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R2221		ERJ6GMYJ224	M.RESISTOR CH1/10W 220K	1	
R2222		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2223,24		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	2	
R2225		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2226		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R2227		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R2228		ERJ6GMYJ183	M.RESISTOR CH1/10W 18K	1	
R2229-33		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	5	
R2236		ERJ6GMYG362	M.RESISTOR CH 1/10W 3.6K	1	
R2237		ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R2238,39		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2240		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2241,42		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2243		ERJ6GMYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2244		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2245		ERJ6GMYJ182	M.RESISTOR CH1/10W 1.8K	1	
R2246		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R2247		ERJ6GMYG394	M.RESISTOR CH1/10W 390K	1	
R2248		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R2249		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R2250		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R2251		ERJ6GMYJ151	M.RESISTOR CH1/10W 150	1	
R2252		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R2253,54		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	2	
R2255		ERJ6GMYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2256		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R2257		ERJ6GMYJ681	M.RESISTOR CH1/10W 680	1	
R2258		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R2259		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R2260		ERJ6GMYJ392	M.RESISTOR CH1/10W 3.9K	1	
R2261		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R2266		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R2288		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R2289		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R2290		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R2292		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
X2201		VSX0225	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX PLATE	1	
		VSC2734	HEAT SINK	1	
		VMZ1352	HEAT SINK COVER	1	
		VJR0128	PACK PIN (5P)	1	FOR SUB SERVO PACK
	■	VEP07549A	NICAM DECODER C.B.A.		(NLA) NV-F75B
			CAPACITORS		
C7301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7302		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7304		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7305,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7307		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7308-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C7311		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7312,13		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7314		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7315		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7316		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7317		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7318		VCEA0JAC221J	E.CAPACITOR 6.3V 220U	1	
C7319		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7320		VCEA0JAC101J	E.CAPACITOR 6.3V 100U	1	
C7321		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7322		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7323		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7324		VCEA1CAC470	E.CAPACITOR 16V 47U	1	
C7325,26		ECEA1CPB100	E.CAPACITOR 16V 10U	2	
C7327,28		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7329,30		VCEA1CAC470	E.CAPACITOR 16V 47U	2	
C7331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7332,33		ECEA1CPK100	E.CAPACITOR 16V 10U	2	
C7334,35		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7336		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C7337,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7339		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7342		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7343		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7344		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7348		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7349		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7350,51		VCEA1CAC100	E.CAPACITOR 16V 10U	2	
C7901,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7903		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7905		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7906,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C7910,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7912		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7913		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7915		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7916		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7917,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7919,20		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7921,22		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C7923-25		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	3	
C7926		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7927		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7928		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7929		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7930		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7931		ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C7932,33		ECQV1H104J2	P.CAPACITOR 50V 0.1U	2	
C7940,41		ECRHA020D41	TRIMMER	2	
D7301		MA151WK	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA151WA	DIODE	1	
D7304		MA28W	DIODE	1	
D7305		MA151WK	DIODE	1	
D7306		MA151WA	DIODE	1	
D7307		MA151A	DIODE	1	
D7901		MA3110L	DIODE	1	
FL7301-04		VLF0634	FILTER	4	
FL7309-11		VLF0632	FILTER	3	
FL7313		VLF0632	FILTER	1	
FL7314		VLF0634	FILTER	1	
FL7315,16		VLF0701	FILTER	2	
FL7901,02		VLF0634	FILTER	2	
IC7301		TC6011N	IC	1	
IC7302		TC5563APL-12	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC7303		TD6710AN	IC	1	
IC7304		AN6572	IC	1	
IC7305,06		M5201L	IC	2	
IC7901		TA8662N	IC	1	
L7301,02		VLP0054	COIL	2	
L7303-05		VLQEL05F4R7K	COIL 4.7UH	3	
L7901,02		ELESP821KA	COIL 820H	2	
P7301		VJP1393T	CONNECTOR(MALE) 13P	1	
Q7301		2SC1317	TRANSISTOR	1	(Q,R,S,T)
Q7302		2SB709	TRANSISTOR CHIP	1	
Q7303,04		2SD1328	TRANSISTOR	2	(S)
Q7305		2SB709	TRANSISTOR CHIP	1	
Q7307		2SB709	TRANSISTOR CHIP	1	
Q7901		2SC1317	TRANSISTOR	1	(Q,R,S,T)
QR7301		UN2211	TRANSISTOR-RESISTOR	1	
QR7302		UN2212	TRANSISTOR-RESISTOR	1	
QR7303		UN2112	TRANSISTOR-RESISTOR	1	
QR7304		UN2113	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7301-06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	6	
R7307		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7308,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R7310		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R7311,12		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R7313,14		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R7315		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7316		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7317		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7319		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7320		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7321		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7322		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7323,24		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7325,26		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7327		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7328,29		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7330		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7331,32		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7333,34		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7335		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7336,37		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7338,39		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7340		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7341		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7350,51		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7352-54		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	3	
R7355		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7901		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7902		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7903		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R7904		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7905		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7906,07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7909		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
VR7301,02		EVN38CA00B53	V.RESISTOR 5K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X7301		VSX0294	CRYSTAL OSC.	1	
X7901		VSX0292	CRYSTAL OSC.	1	
X7902		VSX0291	CRYSTAL OSC.	1	
			MISCELLANEOUS		
		VSC2731	SHIELD (TOP)	1	
		VSC2732	SHIELD (MAIN)	1	
		VSC2733	SHIELD (BOTTOM)	1	
	■	VEP07549B	NICAM DECODER C.B.A.		(NLA) NV-F75EB
			CAPACITORS		
C7301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7302		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7304		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7305,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7307		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7308-10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C7311		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7312,13		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7314		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7315		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7316		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7317		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7318		VCEA0JAC221J	E.CAPACITOR 6.3V 220U	1	
C7319		ECQP1H122JZ	P.CAPACITOR 50V 1200P	1	
C7320		VCEA0JAC101J	E.CAPACITOR 6.3V 100U	1	
C7321		VCEA0JAC470	E.CAPACITOR 6.3V 47U	1	
C7322		ECQP1H681JZ	P.CAPACITOR 50V 680P	1	
C7323		ECEA1CPB100	E.CAPACITOR 16V 10U	1	
C7324		VCEA1CAC470	E.CAPACITOR 16V 47U	1	
C7325,26		ECEA1CPB100	E.CAPACITOR 16V 10U	2	
C7327,28		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7329,30		VCEA1CAC470	E.CAPACITOR 16V 47U	2	
C7331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7332,33		ECEA1CPK100	E.CAPACITOR 16V 10U	2	
C7334,35		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C7336		ECEA1CPK100	E.CAPACITOR 16V 10U	1	
C7337,38		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7339		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7342		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7343		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7344		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7348		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7349		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7350,51		VCEA1CAC100	E.CAPACITOR 16V 10U	2	
C7901,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7903		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C7904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7905		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7906,07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7908,09		ECEA1HKR47	E.CAPACITOR 50V 0.47U	2	
C7910,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7912		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7913		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7914		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7915		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7916		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7917,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7919,20		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7921,22		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C7923-25		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	3	
C7926		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7927		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7928		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C7929		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7930		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C7931		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7932,33		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	2	
C7940,41		ECRHA020D41	TRIMMER	2	
D7301		MA151WK	DIODE	1	
D7302		MA151A	DIODE	1	
D7303		MA151WA	DIODE	1	
D7304		MA28W	DIODE	1	
D7305		MA151WK	DIODE	1	
D7306		MA151WA	DIODE	1	
D7307		MA151A	DIODE	1	
D7901		MA3110L	DIODE	1	
FL7301-04		VLF0634	FILTER	4	
FL7309-11		VLF0632	FILTER	3	
FL7313		VLF0632	FILTER	1	
FL7314		VLF0634	FILTER	1	
FL7315,16		VLF0701	FILTER	2	
FL7901,02		VLF0634	FILTER	2	
IC7301		TC6011N	IC	1	
IC7302		TC5563APL-12	IC	1	
IC7303		TD6710AN	IC	1	
IC7304		AN6572	IC	1	
IC7305,06		M5201L	IC	2	
IC7901		TA8662N	IC	1	
L7301,02		VLP0054	COIL	2	
L7303-05		VLQEL05F4R7K	COIL 4.7UH	3	
L7901,02		ELESP821KA	COIL 820H	2	
P7301		VJP1393T	CONNECTOR(MALE) 13P	1	
Q7301		2SC1317	TRANSISTOR	1	(Q,R,S,T)
Q7302		2SB709	TRANSISTOR CHIP	1	
Q7303,04		2SD1328	TRANSISTOR	2	(S)
Q7305		2SB709	TRANSISTOR CHIP	1	
Q7307		2SB709	TRANSISTOR CHIP	1	
Q7901		2SC1317	TRANSISTOR	1	(Q,R,S,T)
QR7301		UN2211	TRANSISTOR-RESISTOR	1	
QR7302		UN2212	TRANSISTOR-RESISTOR	1	
QR7303		UN2112	TRANSISTOR-RESISTOR	1	
QR7304		UN2113	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7301-06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	6	
R7307		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7308,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R7310		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R7311,12		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	2	
R7313,14		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R7315		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7316		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7317		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7318		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7319		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7320		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7321		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7322		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7323,24		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7325		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7326		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7327		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7328,29		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7330		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7331,32		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R7333,34		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R7335		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7336,37		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7338		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7339		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7340		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7341		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7350,51		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7352-54		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	3	
R7355		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7901		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7902		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7903		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R7904		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R7905		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7906,07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R7908		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R7909		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
VR7301,02		EVN38CA00B53	V.RESISTOR 5K	2	
X7301		VSX0294	CRYSTAL OSC.	1	
X7901		VSX0293	CRYSTAL OSCILLATOR	1	
X7902		VSX0291	CRYSTAL OSC.	1	
			MISCELLANEOUS		
		VSC2731	SHIELD (TOP)	1	
		VSC2732	SHIELD (MAIN)	1	
		VSC2733	SHIELD (BOTTOM)	1	
	■	VEP05134B	HEAD AMP C.B.A.		(NA)
			CAPACITORS		
C501		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C502,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C504		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C505		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C509		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C511		ECUM1E473ZFN	C.CAPACITOR CH 25V 0.047U	1	
C513		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C514		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C515		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C516		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C517		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C518		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C519,20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C523		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C524,25		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C532		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C533		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C534		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C535		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C536		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C537		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C552		ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C553		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C555-59		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C560		ECEA0JPK470	E.CAPACITOR 6.3V 47U	1	
C561		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C562,63		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	2	
C564,65		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C566		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C567		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C569		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
D501,02		MA165	DIODE	2	
IC501		AN3334K	IC	1	
IC502		VCR0271	IC	1	
IC551		BA7740FS	IC	1	
L502		VLQ0188K330	COIL 33UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQ0188K330	COIL 33UH	1	
L506		VLQ0188K6R8	COIL 6.8UH	1	
L507		VLP0089	COIL H	1	
L551,52		VLQEL05F101K	COIL 100UH	2	
L553,54		VLQ0213K2R2	COIL 2.2UH	2	
P501		VJP1250T	CONNECTOR(MALE) 10P	1	
P502		VJS2603	CONNECTOR (FEMALE)	1	
P551		VJP1236T	CONNECTOR(MALE) 9P	1	
Q501		2SB709	TRANSISTOR CHIP	1	
			RESISTORS		
R501		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R502		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R503		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R504,05		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	2	
R507		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	1	
R508		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R510		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R512		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R513		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R514		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R515		ERJ6GMYJ821	M.RESISTOR CH1/10W 820	1	
R516		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R517,18		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	2	
R519		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R520		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
R521		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R522		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R523		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R551,52		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R553		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0	1	
R554		ERJ6GMYJ333	M.RESISTOR CH1/10W 33K	1	
R555		ERJ6GMYJ243	M.RESISTOR CH1/10W 24K	1	
R556		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R557		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R558		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R559		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R560		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R561,62		ERJ6GMYJ152	M.RESISTOR CH1/10W 1.5K	2	
R563		ERJ6GMYJ332	M.RESISTOR CH1/10W 3.3K	1	
R564		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R565		ERJ6GMYJ100	M.RESISTOR CH1/10W 10	1	
R566,67		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	2	
R568		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
VR501,02		EVND1AA00B23	V.RESISTOR 2K	2	
			MISCELLANEOUS		
		VSC2668	SHIELD (TOP)	1	
		VSC2669	SHIELD (BOTTOM)	1	
		VSC2670	SHIELD (MAIN)	1	
	■	VEP06731A	VR C.B.A.		(NLA) NV-F75EG
			CAPACITORS		
C6303,04		ECQB1H103KH	P.CAPACITOR 50V 0.01U	2	
C6501,02		ECQB1H223KZ	P.CAPACITOR 50V 0.022U	2	
C6503		ECEA1AKS330	E.CAPACITOR 10V 33U	1	
C6504		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C6505		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6507		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6508,09		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	2	
C6510		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D6501		LN21RCPHL	LED	1	
IC6501		VCR0172	IC	1	
J6301		VJJ0192	CONNECTOR	1	
J6302		VJJ0210	CONNECTOR	1	
L6301,02		VLQ0188J221	COIL 220UH	2	
L6501,02		VLQEL05F471K	COIL 470UH	2	
P6501		VJP1247T	CONNECTOR(MALE) 7P	1	
P6502		VJS2357A015	CONNECTOR (FEMALE)	1	
P6503		VJP1252T	CONNECTOR(MALE) 12P	1	
P6504		VJP1244T	CONNECTOR(MALE) 4P	1	
			RESISTORS		
R6501		ER0S2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6502		ER0S2CKG5600	M.RESISTOR 1/4W 560	1	
R6503		ER0S2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6504		ER0S2CKG5600	M.RESISTOR 1/4W 560	1	
R6505		ER0S2CKG2701	M.RESISTOR 1/4W 2.7K	1	
R6506		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
SW6501		EVQQS307K	SWITCH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR3004		EWAKFKXB3B24	V.RESISTOR 20K	1	
VR6501		EWAKABXB3C23	V.RESISTOR 2K	1	
VR6503		EWANYGX05J54	V.RESISTOR	1	
			MISCELLANEOUS		
		KL04	LED SPACER	1	
		VYC0160	REC VR PANEL UNIT	1	
		VGU4495	REC VR KNOB	2	
		VJF0824	JACK HOLDER	1	
	■	VEP06731E	VR′ C.B.A.		(NLA) NV-F75B/EB
			CAPACITORS		
C6503		ECEA1AKS330	E.CAPACITOR 10V 33U	1	
C6504		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C6505		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6507		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6508,09		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	2	
C6510		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D6501		LN21RCPHL	LED	1	
IC6501		VCR0172	IC	1	
J6301		VJJ0192	CONNECTOR	1	
J6302		VJJ0210	CONNECTOR	1	
P6501		VJP1247T	CONNECTOR(MALE) 7P	1	
P6502		VJS2357A015	CONNECTOR (FEMALE)	1	
P6503		VJP1252T	CONNECTOR(MALE) 12P	1	
P6504		VJP1244T	CONNECTOR(MALE) 4P	1	
			RESISTORS		
R6501		EROS2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6502		EROS2CKG5600	M.RESISTOR 1/4W 560	1	
R6503		EROS2CKG4701	M.RESISTOR 1/4W 4.7K	1	
R6504		EROS2CKG5600	M RESISTOR 1/4W 560	1	
R6505		EROS2CKG2701	M.RESISTOR 1/4W 2.7K	1	
R6506		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
SW6501		EVQQS307K	SWITCH	1	
VR3004		EWAKFKXB3B24	V.RESISTOR 20K	1	
VR6501		EWAKABXB3C23	V.RESISTOR 2K	1	
VR6503		EWANYGX05J54	V.RESISTOR	1	
			MISCELLANEOUS		
		KL04	LED SPACER	1	
		VYC0160	REC VR PANEL UNIT	1	
		VGU4495	REC VR KNOB	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VJF0824	JACK HOLDER	1	
	■	VEP07622A	TIMER C.B.A.		(NLA) NV-F75EG
			CAPACITORS		
C6701		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H471KB	C.CAPACITOR 50V 470P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503,04		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509,10		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7520		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7521		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7522		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C7523,24		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7527		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7529		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7531		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA3068	DIODE	1	
D7504		MA73	DIODE	1	
D7507		MA73	DIODE	1	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516-18		MA73	DIODE	3	
D7530		MA73	DIODE	1	
D7532-41		MA73	DIODE	10	
D7550,51		LN28RCPLV	DIODE	2	
D7553		LN28RCPLV	DIODE	1	
D7555		LN28RCPLV	DIODE	1	
D7556		LN38GCPLV	DIODE	1	
D7557		LN28RCPLV	DIODE	1	
D7560		MA73	DIODE	1	
DP7501		VSL0144	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
IC7505		BA6810S	IC	1	
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS2651B013Z	CONNECTOR	1	
P7502		VJS2651B012Z	CONNECTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7503		VJS2651B011Z	CONNECTOR	1	
P7505		VJS2357A020	CONNECTOR (FEMALE)	1	
P7506		VJS2651B008Z	CONNECTOR	1	
P7507		VJP2621	CONNECTOR (MALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7505		MRN2402	TRANSISTOR-RESISTOR	1	
QR7510		MRN2403	TRANSISTOR-RESISTOR	1	
QR7511		MRN2403	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103T	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7506		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7507		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	10	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7538		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R7541		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7542-44		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R7546		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7548		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R7549		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7570		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7571		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7572		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7578		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R7579		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
RX7501		EXBF11E104J	COMBI.R-R	1	
RX7502		EXBF8E104J	COMBI.R-R	1	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0693	FIP HOLDER	1	
		VMD1342	LED SPACER	1	
		VSC2671	SHIELD (MAIN)	1	
		VSC2672	SHIELD (BOTTOM)	1	
	■	VEP07622F	TIMER C.B.A.		(NLA) NV-F75B
			CAPACITORS		
C6701		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H471KB	C.CAPACITOR 50V 470P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503,04		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509,10		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7520		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7521		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7522		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C7523,24		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7527		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7529		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7531		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA3068	DIODE	1	
D7502		MA73	DIODE	1	
D7507,08		MA73	DIODE	2	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516-18		MA73	DIODE	3	
D7530		MA73	DIODE	1	
D7532-41		MA73	DIODE	10	
D7551		LN28RCPLV	DIODE	1	
D7555		LN28RCPLV	DIODE	1	
D7556		LN38GCPLV	DIODE	1	
D7557-59		LN28RCPLV	DIODE	3	
D7560,61		MA73	DIODE	2	
DP7501		VSL0144	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
IC7505		BA6810S	IC	1	
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS2651B013Z	CONNECTOR	1	
P7502		VJS2651B012Z	CONNECTOR	1	
P7503		VJS2651B011Z	CONNECTOR	1	
P7505		VJS2357A020	CONNECTOR (FEMALE)	1	
P7506		VJS2651B008Z	CONNECTOR	1	
P7507		VJP2621	CONNECTOR (MALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7505		MRN2402	TRANSISTOR-RESISTOR	1	
QR7510		MRN2403	TRANSISTOR-RESISTOR	1	
QR7511		MRN2403	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103T	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7506		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7507		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-29		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	7	
R7531,32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7538		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R7541		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7542-44		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R7546		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7548		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7572		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7574,75		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R7578		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R7579		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
RX7501		EXBF11E104J	COMBI.R-R	1	
RX7502		EXBF8E104J	COMBI.R-R	1	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0693	FIP HOLDER	1	
		VMD1342	LED SPACER	1	
		VSC2671	SHIELD (MAIN)	1	
		VSC2672	SHIELD (BOTTOM)	1	
	■	VEP07622E	TIMER C.B.A.		(NLA) NV-F75EB
			CAPACITORS		
C6701		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H471KB	C.CAPACITOR 50V 470P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C7503,04		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7509,10		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7520		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C7521		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7522		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C7523,24		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	2	
C7525		ECUM1H821KBN	C.CAPACITOR CH 50V 820P	1	
C7527		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7529		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7531		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA3068	DIODE	1	
D7504		MA73	DIODE	1	
D7507		MA73	DIODE	1	
D7510,11		MA73	DIODE	2	
D7513		MA73	DIODE	1	
D7516-18		MA73	DIODE	3	
D7530		MA73	DIODE	1	
D7532-41		MA73	DIODE	10	
D7551		LN28RCPLV	DIODE	1	
D7555		LN28RCPLV	DIODE	1	
D7556		LN38GCPLV	DIODE	1	
D7557-59		LN28RCPLV	DIODE	3	
D7560		MA73	DIODE	1	
DP7501		VSL0144	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	
IC7505		BA6810S	IC	1	
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS2651B013Z	CONNECTOR	1	
P7502		VJS2651B012Z	CONNECTOR	1	
P7503		VJS2651B011Z	CONNECTOR	1	
P7505		VJS2357A020	CONNECTOR (FEMALE)	1	
P7506		VJS2651B008Z	CONNECTOR	1	
P7507		VJP2621	CONNECTOR (MALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7505		MRN2402	TRANSISTOR-RESISTOR	1	
QR7510		MRN2403	TRANSISTOR-RESISTOR	1	
QR7511		MRN2403	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103T	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R7502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7504		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7506		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R7507		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7508-10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511,12		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R7523-32		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	10	
R7533		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7534		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7538		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R7541		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7542-44		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R7546		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7547		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7548		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R7549		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550-56		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	7	
R7557		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R7558,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R7570		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7571		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7572		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R7578		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R7579		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
RX7501		EXBF11E104J	COMBI.R-R	1	
RX7502		EXBF8E104J	COMBI.R-R	1	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0693	FIP HOLDER	1	
		VMD1342	LED SPACER	1	
		VSC2671	SHIELD (MAIN)	1	
		VSC2672	SHIELD (BOTTOM)	1	
	■	VEP01353M	POWER C.B.A.		<!> (NLA) NV-F75EG/B
			CAPACITORS		
C1101		ECQU2A224MN	P.CAPACITOR 100V 0.22U	1	
C1102		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	
C1108		ECOS2GA820AA	E.CAPACITOR 400V 82U	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1112		ECQB1H682JZ	P.CAPACITOR 50V 6800P	1	
C1113		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C1114		ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1115		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C1117		ECQP1101T404	P.CAPACITOR	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DPS681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ681X	E.CAPACITOR 10V 680U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1142		VCC0021	.CAPACITOR V	1	
C1145		VCC0021	.CAPACITOR V	1	
C1147		VCC0022	C.CAPACITOR 1000P	1	
D1102		S1WBA60	DIODE	1	
D1103		VSD0002	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4030L	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		FMLG12SP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		31DQ04FC6	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	
IC1101		STRD6008X	IC	1	
IC1102		STK5391	IC	1	
IC1103		SE013E	IC	1	
L1101,02		ELF18D221F	COIL	2	
L1103		VLQ0335	COIL H	1	
L1104-07		VLP0085	COIL H	4	
P1101		VJS2651B014Z	CONNECTOR	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	
Q1101		PC111	PHOTO COUPLER	1	
Q1102		2SD1996	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R1102,03		ERDS1TJ563	C.RESISTOR 1/2W 56K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1105		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1107		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1108		ERD2FCVG681	C.RESISTOR 1/4W 680	1	
R1109		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG3SJ270	M.RESISTOR 3W 27	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1123,24		ERDS2TJ474	C.RESISTOR 1/4W 470K	2	
R1125		ERW1PK2R2T	W.RESISTOR 1/2W 2.2	1	
T1101		VLT0569	TRANSFORMER	1	
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	4	
		VMZ1183	CAPACITOR COVER (A)	1	
		VMZ1184	CAPACITOR COVER (B)	1	
	■	VEP01353P	POWER C.B.A.		<!> (NLA) NV-F75EB
			CAPACITORS		
C1101		ECQU2A224MN	P.CAPACITOR 100V 0.22U	1	
C1102		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	
C1108		ECOS2GA820AA	E.CAPACITOR 400V 82U	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1112		ECQB1H682JZ	P.CAPACITOR 50V 6800P	1	
C1113		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C1114		ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1115		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C1117		ECQP1101T404	P.CAPACITOR	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DPS681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ681X	E.CAPACITOR 10V 680U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1140,41		VCK0046	.CAPACITOR V	2	
C1142		VCC0024	C.CAPACITOR 2200P	1	
C1143,44		VCK0046	.CAPACITOR V	2	
C1145		VCC0024	C.CAPACITOR 2200P	1	
C1146		VCK0046	.CAPACITOR V	1	
C1147		VCC0024	C.CAPACITOR 2200P	1	
C1148		VCK0046	.CAPACITOR V	1	
D1102		S1WBA60	DIODE	1	
D1103		VSD0002	DIODE	1	
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4030L	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		FMLG12SP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		31DQ04FC6	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	
IC1101		STRD6008X	IC	1	
IC1102		STK5391	IC	1	
IC1103		SE013E	IC	1	
L1101,02		ELF18D221F	COIL	2	
L1103		VLQ0335	COIL H	1	
P1101		VJS2651B014Z	CONNECTOR	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	
Q1101		PC111	PHOTO COUPLER	1	
Q1102		2SD1996	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R1102,03		ERDS1TJ563	C.RESISTOR 1/2W 56K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1105		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1107		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1108		ERD2FCVG681	C.RESISTOR 1/4W 680	1	
R1109		ERDS2TJ221	C.RESISTOR 1/4W 220	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG3SJ270	M.RESISTOR 3W 27	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1123,24		ERDS2TJ474	C.RESISTOR 1/4W 470K	2	
R1125		ERW1PK2R2T	W.RESISTOR 1/2W 2.2	1	
T1101		VLT0569	TRANSFORMER	1	
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	4	
		VMZ0913	CAPACITOR COVER (A)	1	
		VMZ1361	CAPACITOR COVER (B)	1	
	■	VEP06537A	JOG/SHUTTLE C.B.A.		(NLA)
D6701-03		LN38GCPP	LED	3	
P6701		VJS2621	CONNECTOR (FEMALE)	1	
QR6701		UN1112	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R6702		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6703		EROS2CKG1802	M.RESISTOR 1/4W 18K	1	
R6704-06		EROS2CKG1801	M.RESISTOR 1/4W 1.8K	3	
R6707		EROS2CKG1002	M.RESISTOR 1/4W 10K	1	
R6708		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R6709		EROS2CKG9102	M.RESISTOR 1/4W 91K	1	
R6710		EROS2CKG1202	M.RESISTOR 1/4W 12K	1	
R6711		EROS2CKG6802	M.RESISTOR 1/4W 68K	1	
R6712		EROS2CKG3302	M.RESISTOR 1/4W 33K	1	
R6713		EROS2CKG5102	M.RESISTOR 1/4W 51K	1	
R6714		EROS2CKG1203	M.RESISTOR 1/4W 120K	1	
SW6701		EVQQS307K	SWITCH	1	
			MISCELLANEOUS		
		VMX1652	LED SPACER	3	
		VSQ0651	JOG/SHUTTLE ENCODER	1	
	■	VEP66151B	REMOTE CONTROLLER C.B.A.		(NLA)
			CAPACITORS		
C6801		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C6802,03		ECUM1H221JN	C.CAPACITOR CH 50V 220P	2	
C6804		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C6805		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6806		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6801		SE303ACYTF	DIODE	1	
D6802		LN25RCP	DIODE	1	
D6804-12		MA221	DIODE	9	
IC6801		M34200V1AF	IC	1	
P6801		VJS2849	CONNECTOR	1	
Q6801		MSB709-R	TRANSISTOR	1	
Q6802-05		MSD601-R	TRANSISTOR	4	
Q6806		MSB709-R	TRANSISTOR	1	
Q6807,08		MSD601-R	TRANSISTOR	2	
QR6801		UN7231	TRANSISTOR-RESISTOR	1	
QR6802		MRN1404	TRANSISTOR-RESISTOR	1	
QR6804		MRN1407	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6801		ERJ8GCYJ8R2	M.RESISTOR CH 1/8W 8.2	1	
R6802		ERJ6GMYJ471	M.RESISTOR CH1/10W 470	1	
R6804		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6806,07		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	2	
R6808		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6809		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6811		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6812		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R6813		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R6814		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6815		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6816		ERJ6GMYJ122	M.RESISTOR CH1/10W 1.2K	1	
R6817-22		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	6	
R6824		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6825		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R6826		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6827		ERJ6GMYJ101	M.RESISTOR CH1/10W 100	1	
R6828		ERJ6GMYJ104	M.RESISTOR CH1/10W 100K	1	
R6831		ERJ6GMYJ103	M.RESISTOR CH1/10W 10K	1	
R6835		ERJ6GMYJ102	M.RESISTOR CH1/10W 1K	1	
R6836		ERJ6GMYJ472	M.RESISTOR CH1/10W 4.7K	1	
R6837		ERJ8GCYJ8R2	M.RESISTOR CH 1/8W 8.2	1	
SW6801		VSS0126	SWITCH	1	
X6801		EF0A440KT4A1	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJR0576	ELECTRODE (+)	1	
		VJR0577	ELECTRODE (-)	1	
	■	VEP66077C	DIGITAL SCANNER C.B.A.		(NLA) NV-F75EG/EB

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CAPACITORS		
C02		ECEV1CAN4R7R	E.CAPACITOR 16V 4.7U	1	
C03-05		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	3	
C06		ECEV1CA470P	E.CAPACITOR 16V 47U	1	
C07,08		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C09		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	1	
C10-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C13		ECEV1HA010	E.CAPACITOR 50V 1U	1	
D04		MA151A	DIODE	1	
D06		SE303ACY	DIODE	1	
IC01		MN158453VFL	IC	1	
IC02		AN8355S	IC	1	
L01		ELT3K017B	COIL H	1	
LCD01		VSL0177	LCD	1	
Q02		2SB710	TRANSISTOR CHIP	1	(Q,R,S)
Q03		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q04		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
QR02		FN1L4M	TRANSISTOR-RESISTOR	1	
QR04		FA1L4Z	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R01		ERJ6GMYJ120	M.RESISTOR CH 1/10W 12	1	
R02		ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R03		ERJ6GMYJ224	M.RESISTOR CH1/10W 220K	1	
R04		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R05		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R06		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R07		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R08		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R09		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R13		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R16,17		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	2	
R18		ERJ8GCYJ120	M.RESISTOR CH 1/8W 12	1	
R19		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R21		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R29		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	1	
SN01		VSQ0567	SENSOR	1	
SW01		VSS0126	SWITCH	1	
SW02		EVQQFV02K	SWITCH	1	
VR09		EVNDXAA00B34	V.RESISTOR 30K	1	
X01		VSX0245	CRYSTAL OSC.	1	
X02		EFBAL30D001K	CRYSTAL OSCILLATOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VMX1324	LCD SPACER	1	
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VEP66077B	DIGITAL SCANNER C.B.A.		(NLA) NV-F75B
			CAPACITORS		
C02		ECEV1CAN4R7R	E.CAPACITOR 16V 4.7U	1	
C03-05		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	3	
C06		ECEV1CA470P	E.CAPACITOR 16V 47U	1	
C07,08		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C09		ECUM1E104ZFM	C.CAPACITOR CH 25V 0.1U	1	
C10-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C13		ECEV1HA010	E.CAPACITOR 50V 1U	1	
D04		MA151A	DIODE	1	
D06		SE303ACY	DIODE	1	
IC01		MN158453VFL	IC	1	
IC02		AN8355S	IC	1	
L01		ELT3K017B	COIL H	1	
LCD01		VSL0177	LCD	1	
Q02		2SB710	TRANSISTOR CHIP	1	(Q,R,S)
Q03		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q04		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
QR02		FN1L4M	TRANSISTOR-RESISTOR	1	
QR04		FA1L4Z	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R01		ERJ6GMYJ120	M.RESISTOR CH 1/10W 12	1	
R02		ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R03		ERJ6GMYJ224	M.RESISTOR CH1/10W 220K	1	
R04		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R05		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R06		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R07		ERJ6GMYJ563	M.RESISTOR CH1/10W 56K	1	
R08		ERJ6GMYJ223	M.RESISTOR CH1/10W 22K	1	
R09		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R13		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R16,17		ERJ6GMYJ682	M.RESISTOR CH1/10W 6.8K	2	
R18		ERJ8GCYJ120	M.RESISTOR CH 1/8W 12	1	
R19		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R21		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	1	
R29		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	1	
SN01		VSQ0567	SENSOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW01		VSS0126	SWITCH	1	
SW02		EVQQFV02K	SWITCH	1	
VR09		EVNDXAA00B34	V.RESISTOR 30K	1	
X01		VSX0245	CRYSTAL OSC.	1	
X02		EFBAL30D001K	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMX1324	LCD SPACER	1	
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VEX0117	CYLINDER DRIVE C.B.A.		(NLA)
			CAPACITORS		
C2901-03		ECEA1VSN2R2	E.CAPACITOR 35V 2.2U	3	
C2904-06		ECUM1E104KBM	C.CAPACITOR CH 25V 0.1U	3	
C2907		ECUM1E683KBM	C.CAPACITOR CH 25V 0.068U	1	
C2908		ECUM1E473KBM	C.CAPACITOR CH 25V 0.047U	1	
C2909		ECQV1H104JS	P.CAPACITOR 50V 0.1U	1	
C2910,11		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C2912		ECEA0JKS220	E.CAPACITOR 6.3V 22U	1	
IC2901		AN3815K	IC	1	
P2901		VJP2603W	CONNECTOR	1	
P2902		VJP1232T	CONNECTOR(MALE) 5P	1	
			RESISTORS		
R2901		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
TH2901		VRH0017	THERMISTOR	1	
			MISCELLANEOUS		
		VMA8089	MAIN HOLDER	1	
	■	VEP00K88C	FE HEAD C.B.A.		(NLA)
			CAPACITORS		
C1401		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C1402		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C1403		ECQB1H333KH	P.CAPACITOR 50V 0.033U	1	
CR1401		EXED1032333C	CAPACITOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L1401		VLQEL05F101K	COIL 100UH	1	
P1502		VJP1148	CONNECTOR 2P	1	
Q1401		2SD636	TRANSISTOR	1	(R)
T1401		EIQ7QF012Q	TRANSFORMER	1	
	■	VEP00M86A	FG AMP C.B.A.		(NLA)
			CAPACITORS		
C1510		ECUM1H101JCN	C.CAPACITOR 50V 100P	1	
C1511		ECUM1H104ZFM	C.CAPACITOR 50V 0.1U	1	
C1512		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C1513		ECUM1H101JCN	C.CAPACITOR 50V 100P	1	
C1514		ECUM1H104ZFM	C.CAPACITOR 50V 0.1U	1	
IC1501		UPC358G	IC	1	
L1510,11		VLP0083	FILTER	2	
P1505		VJS1456	CONNECTOR(FEMALE)	1	
P1506		VJS1685	CONNECTOR	1	
			RESISTORS		
R1510		ERJ6GMYJ102	CHIP 1/10W 1K	1	
R1511		ERJ6GMYJ473	CHIP 1/10W 47K	1	
R1512		ERJ6GMYJ105	CHIP 1/10W 1M	1	
R1513-16		ERJ6GMYJ332	CHIP 1/10W 3.3K	1	
R1517		ERJ6GMYJ105	CHIP 1/10W 1M	1	
R1518		ERJ6GMYJ102	CHIP 1/10W 1K	1	
R1519		ERJ6GMYJ473	CHIP 1/10W 47K	1	
	■	VXA3825	MECHANISM CONNECTION C.B.A.		(NLA)
IC1501,02		ON2170	PHOTO COUPLER	2	
P1504		VJS1493	CONNECTOR 15P	1	
	■	VEK3578	PHOTO Tr.(S) C.B.A.		(NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NV	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TRANSISTOR HOLDER	1	
	■	- - - - -	PHOTO Tr.(T) C.B.A.		(NLA)
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1502		PN150NV	PHOTO TRANSISTOR	1	
R1503		ERDS2TJ222	C.RESISTOR 1/2W 2.2K	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TRANSISTOR HOLDER	1	